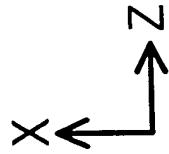


Fig. 1



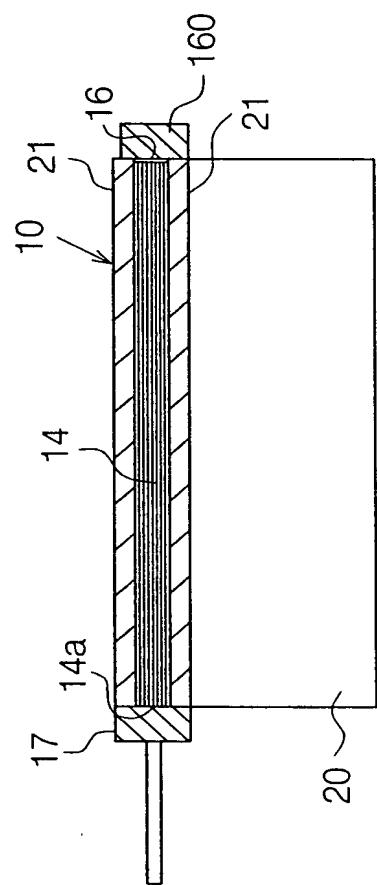
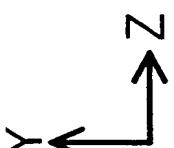
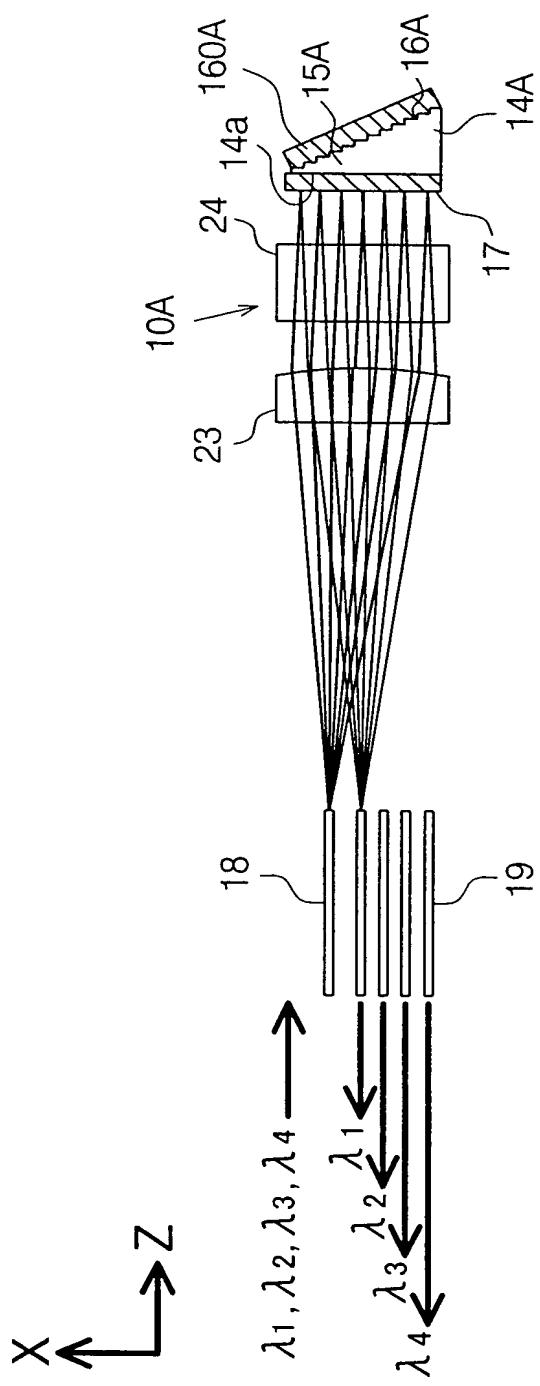
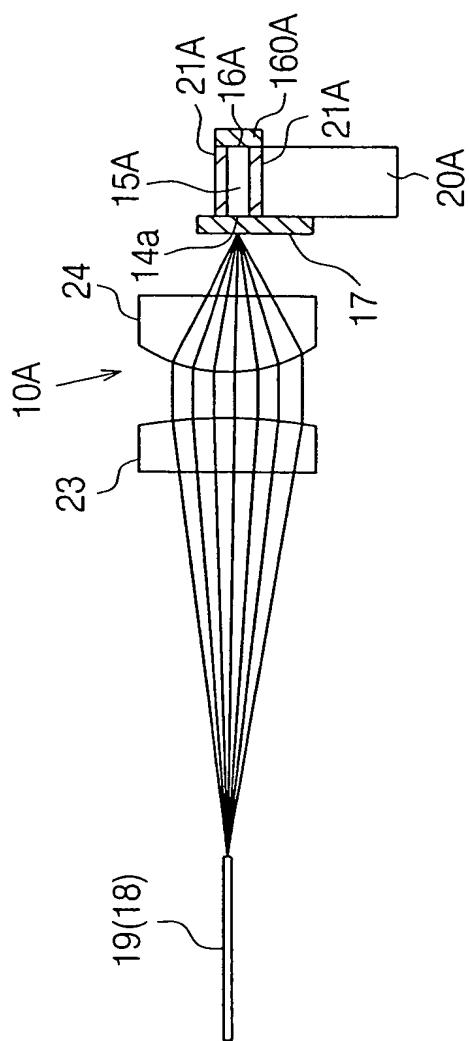


Fig.2

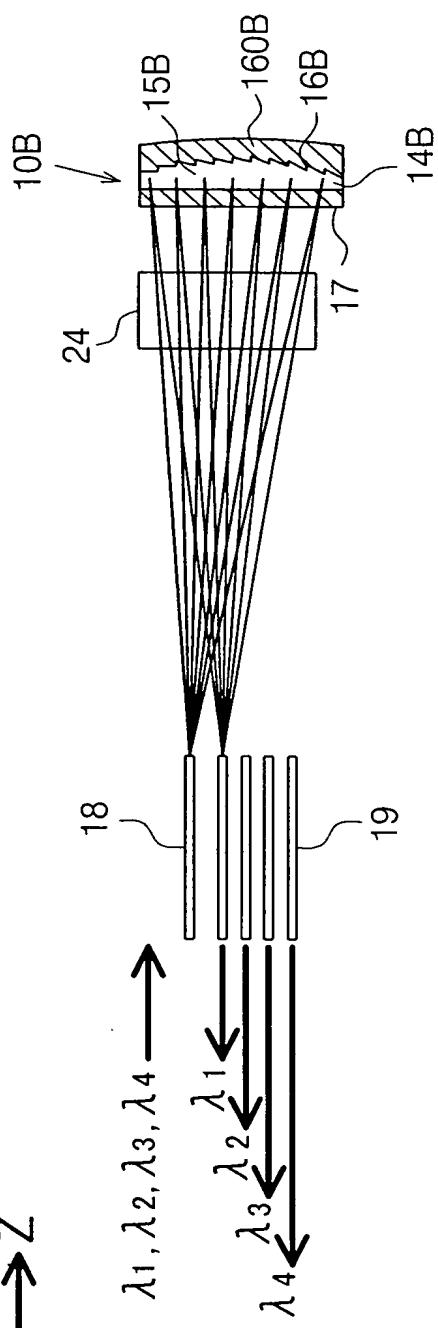


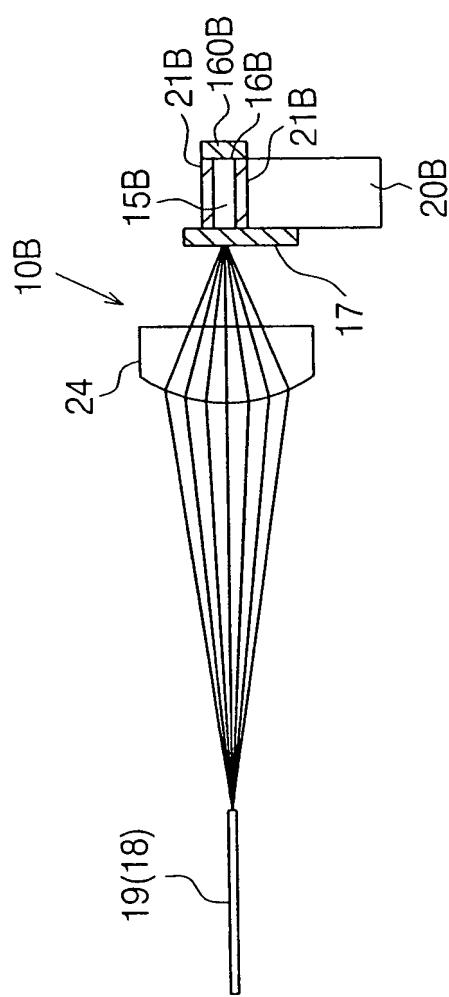
**Fig.3**



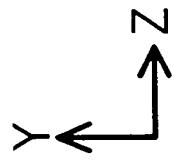
**Fig. 4**

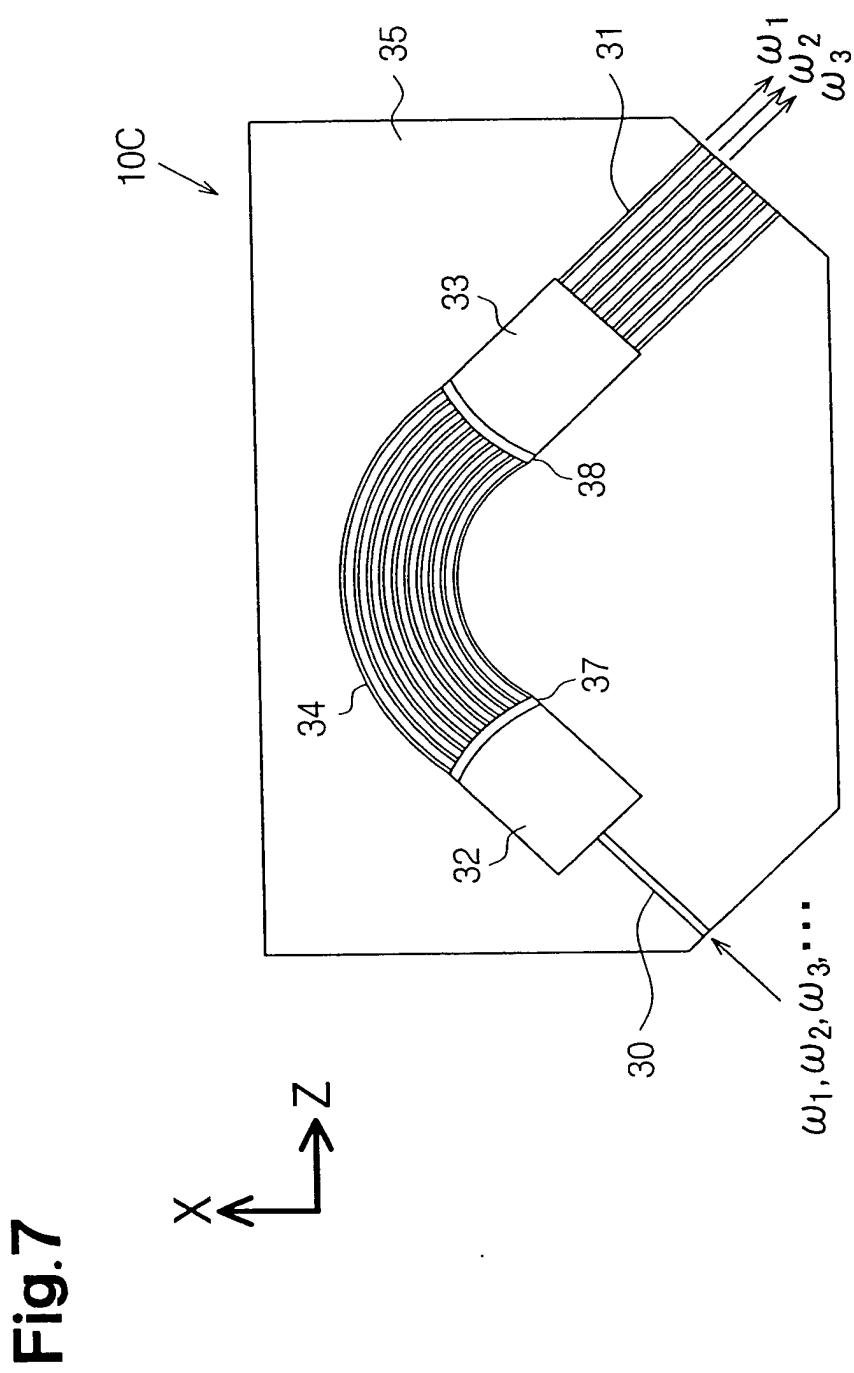
**Fig. 5**



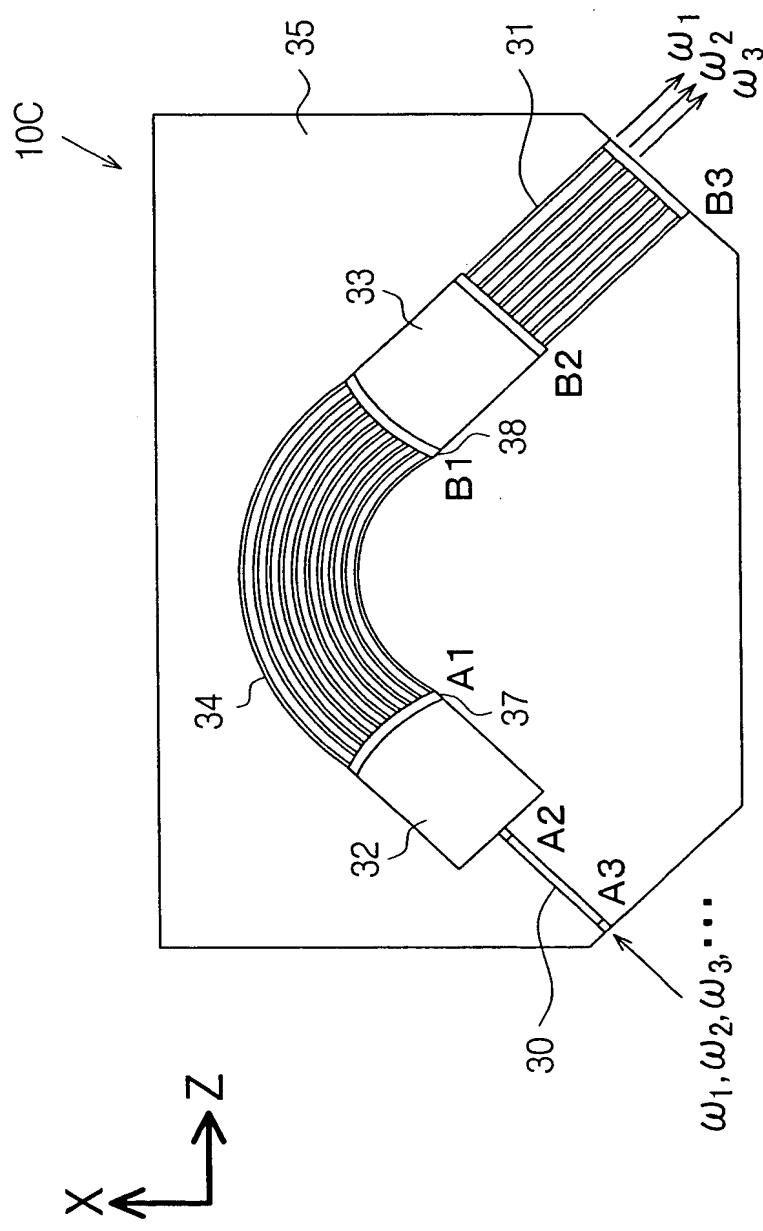


**Fig.6**

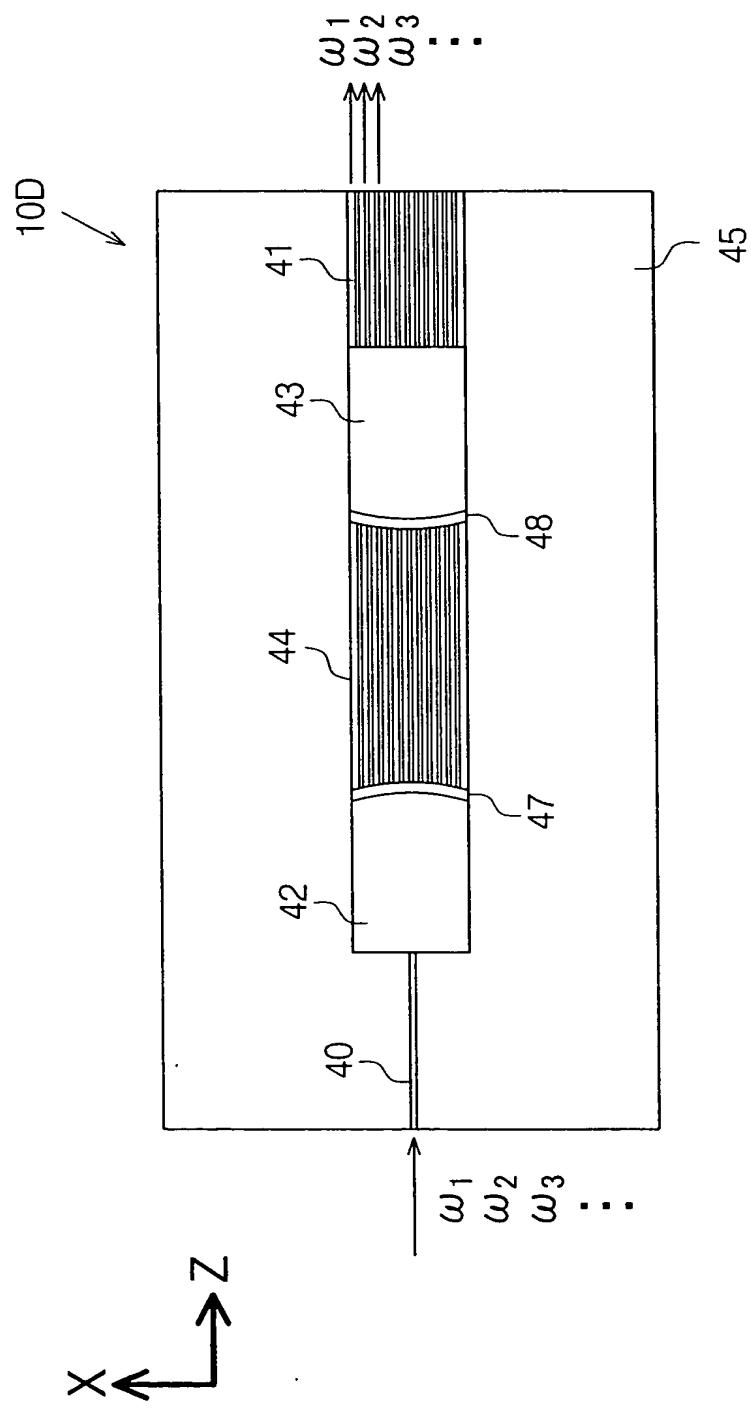




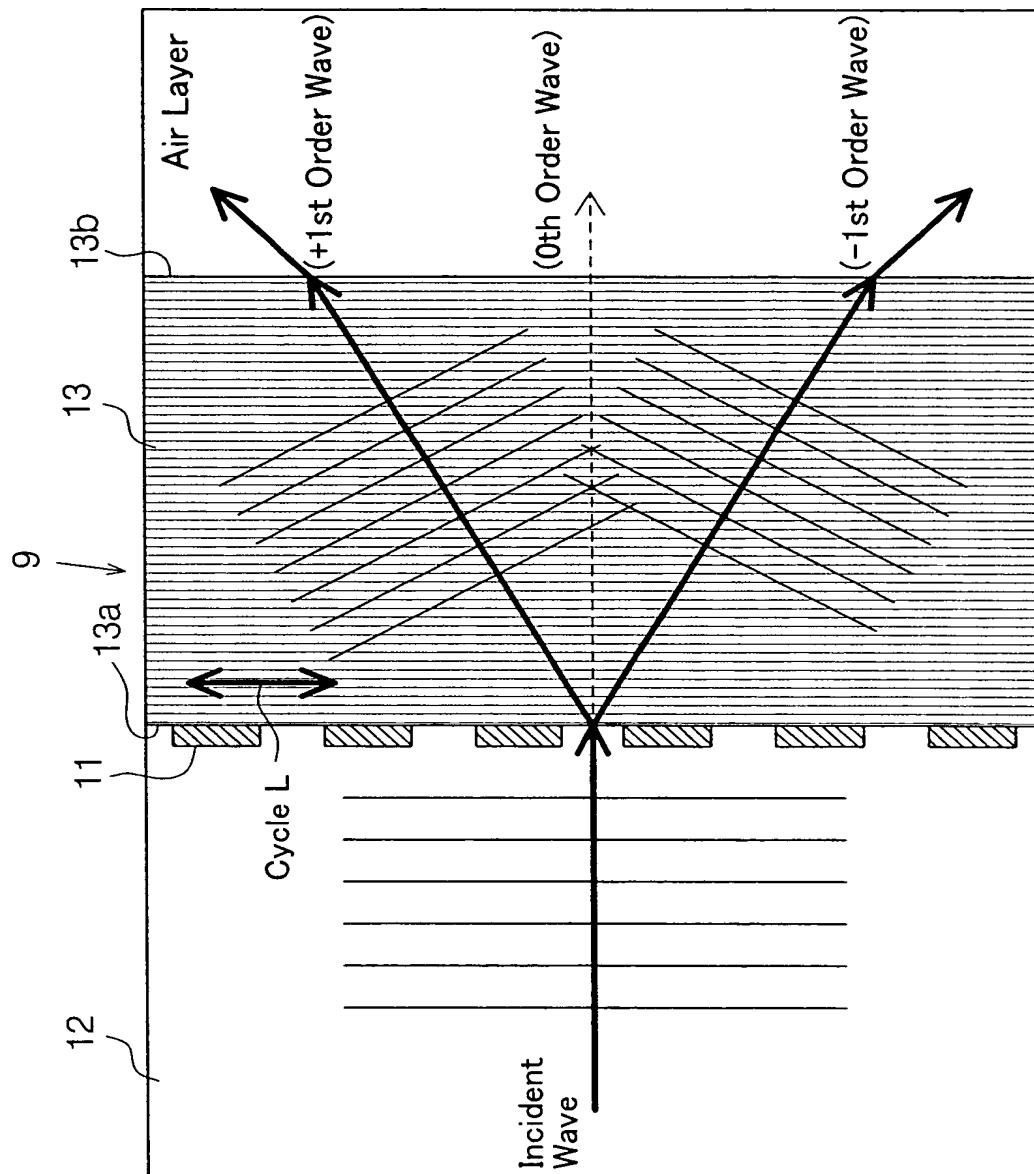
**Fig.8**



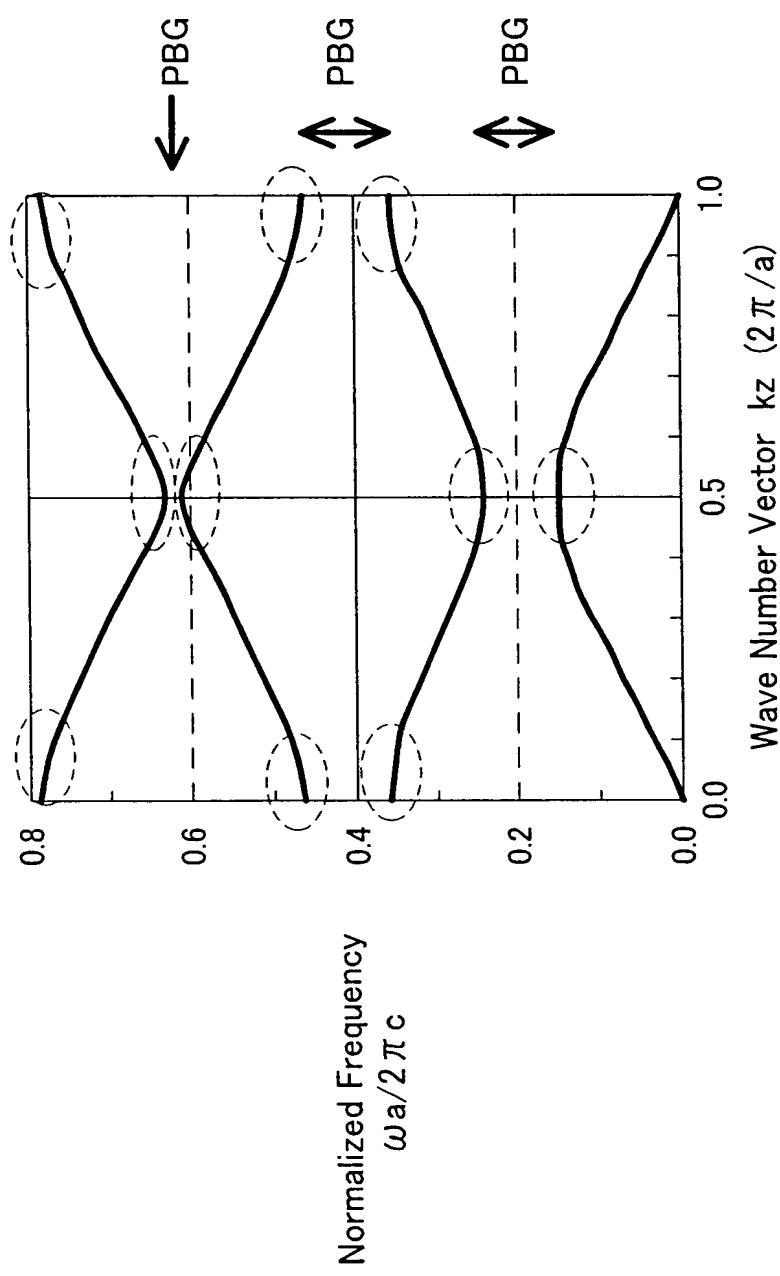
**Fig.9**

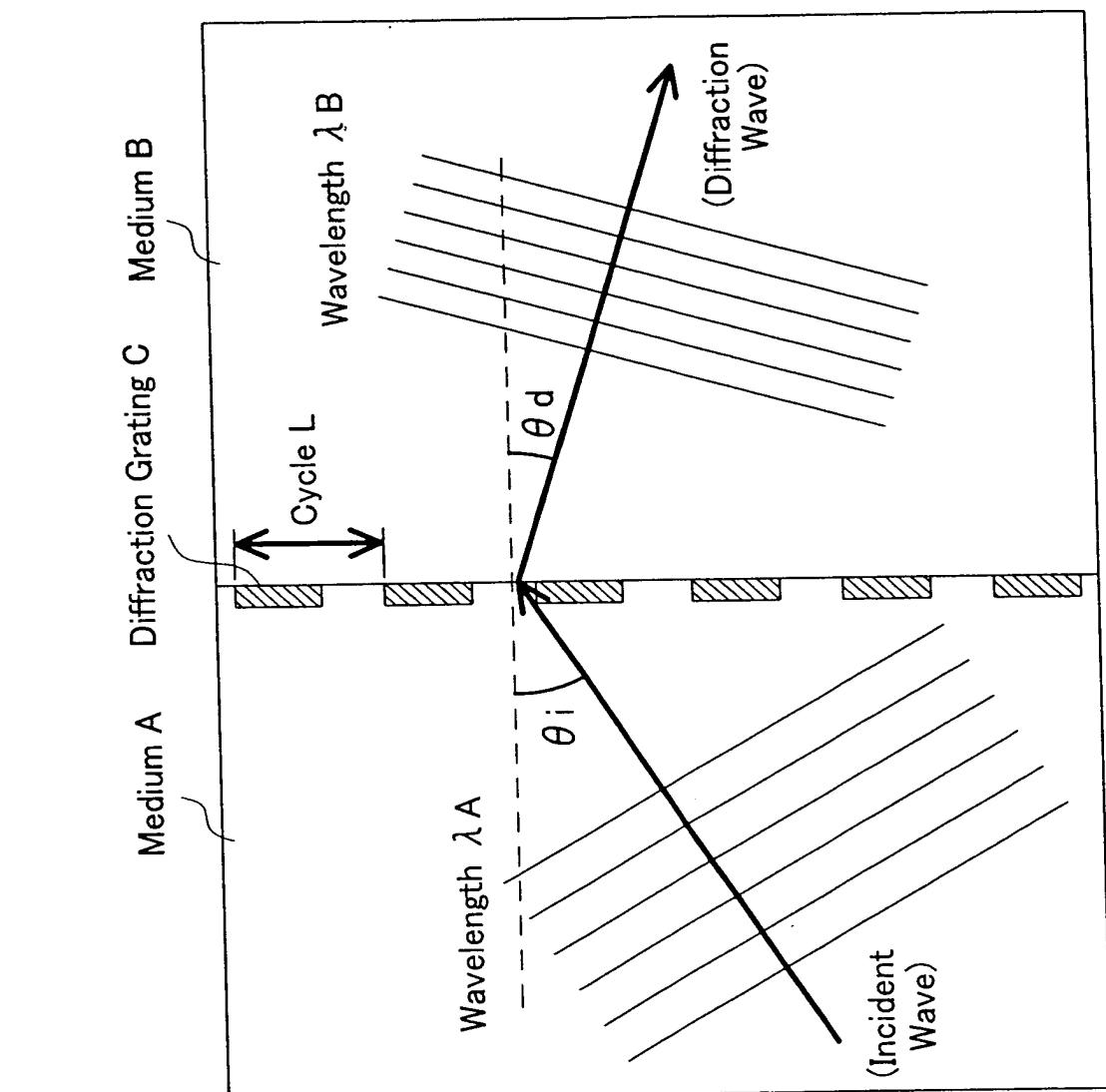


**Fig.10**



**Fig. 11**





**Fig. 12**

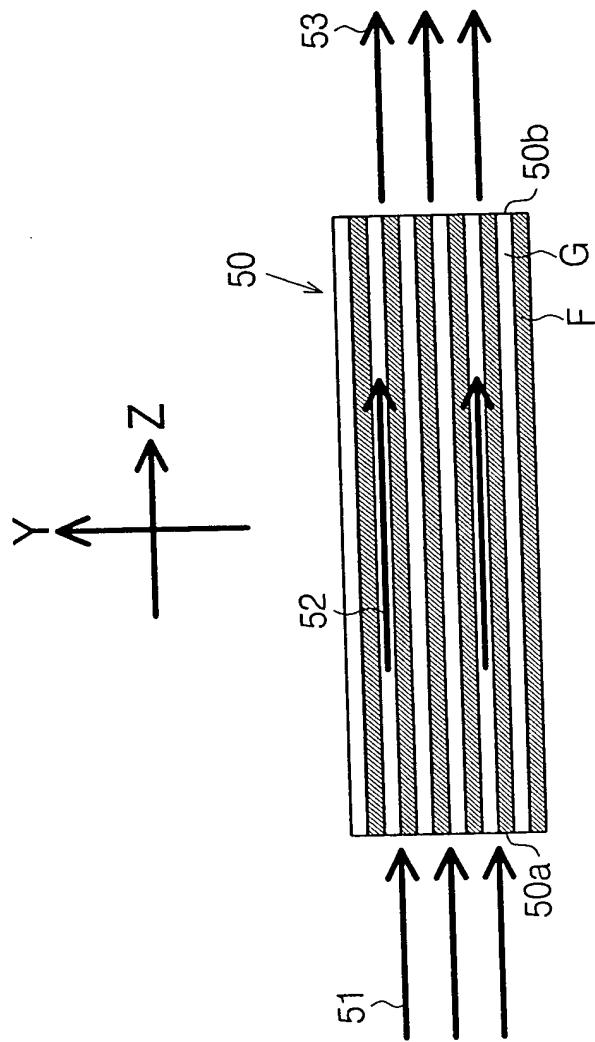


Fig. 13

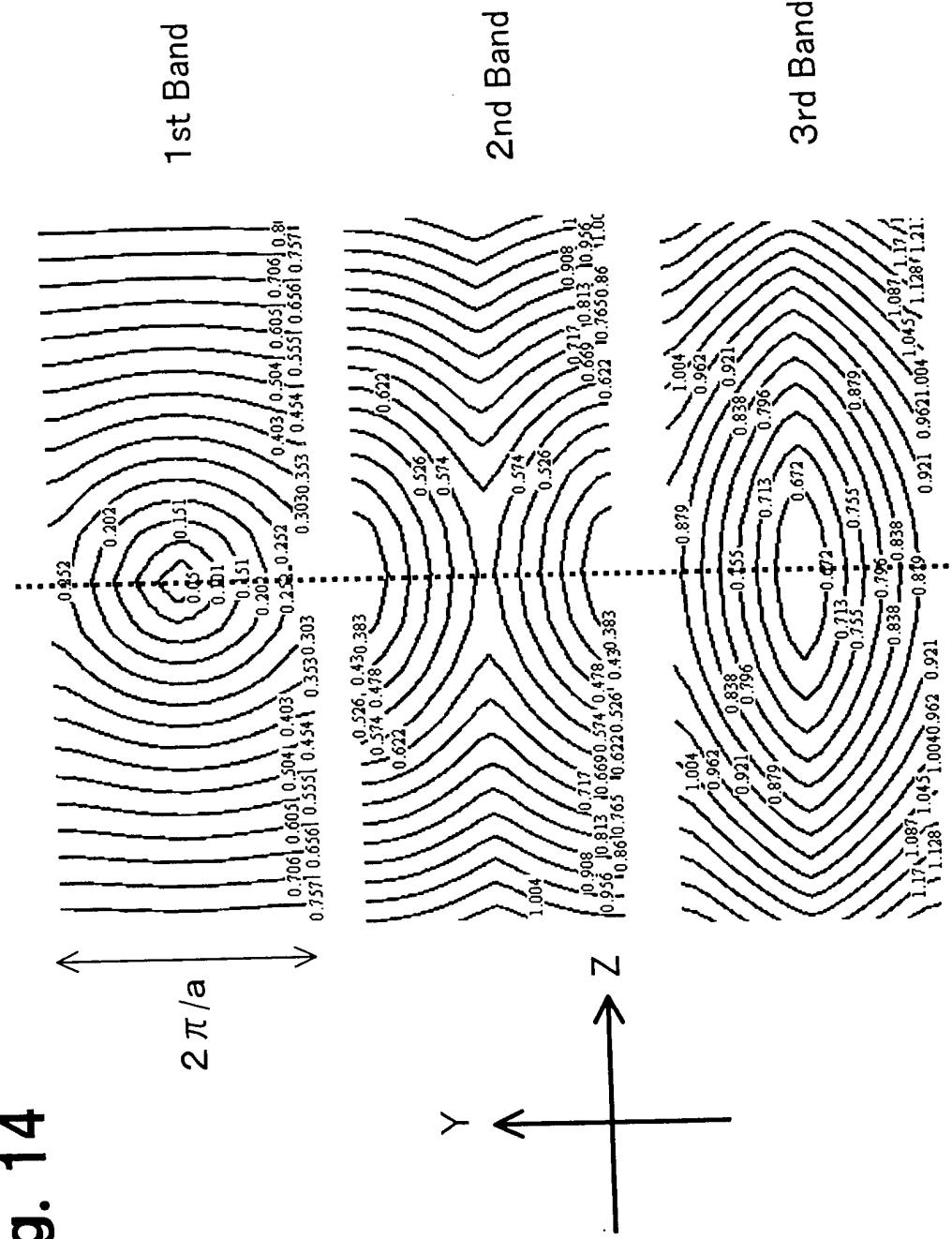
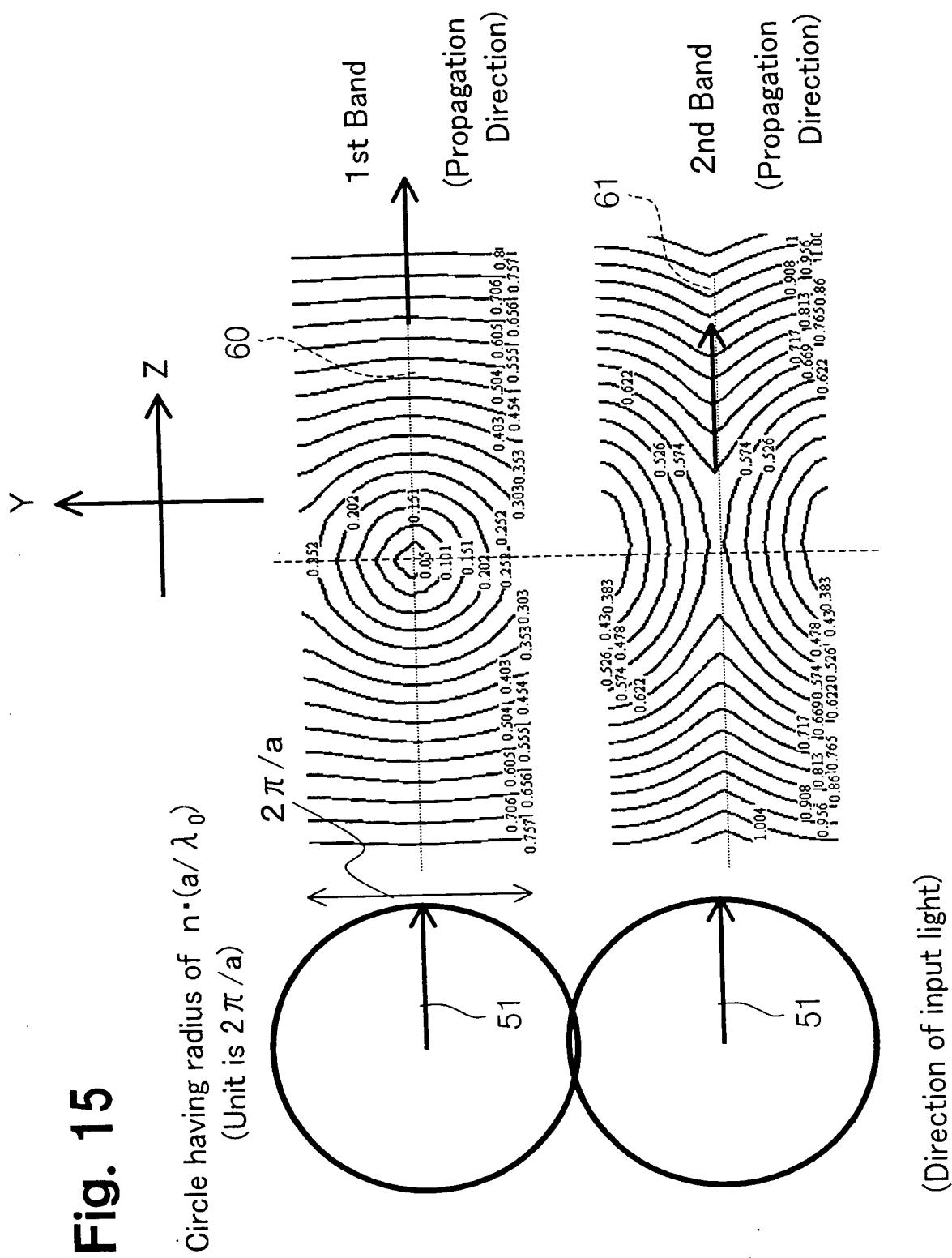
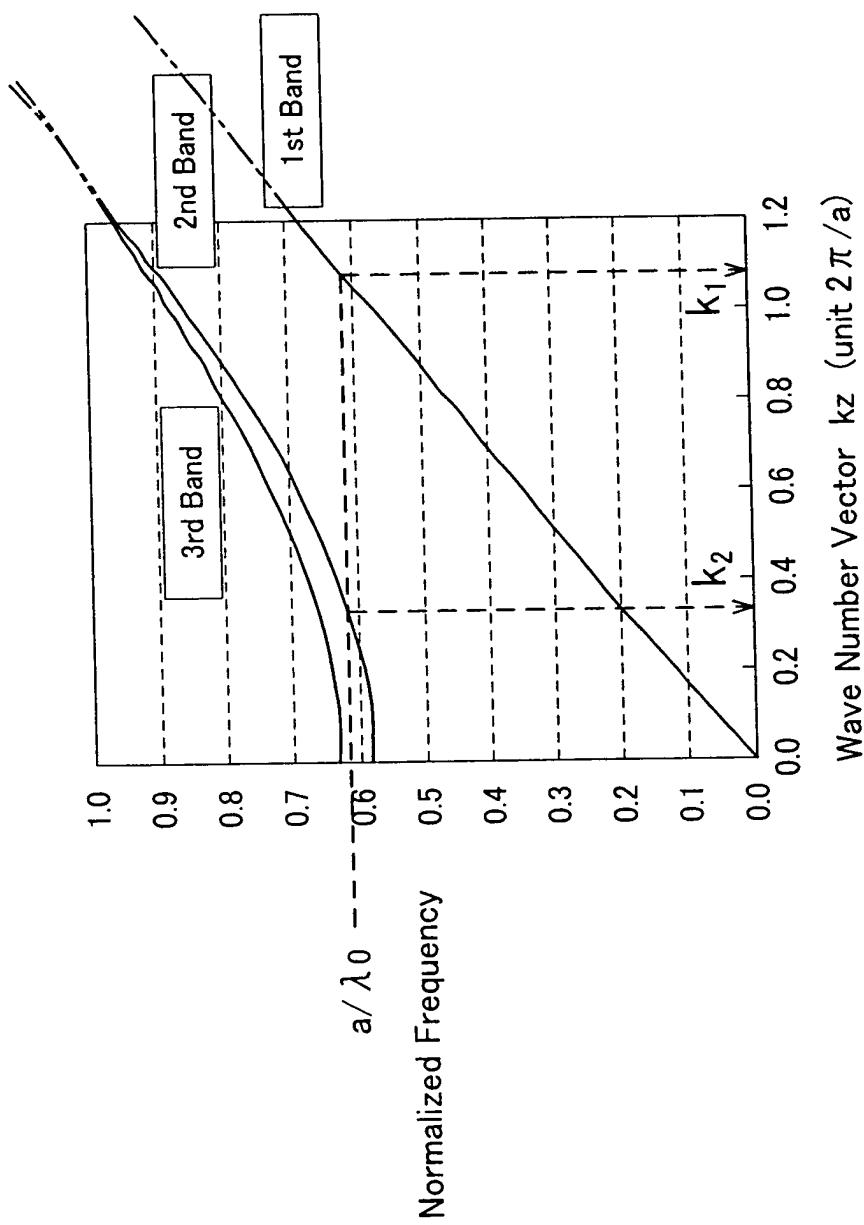


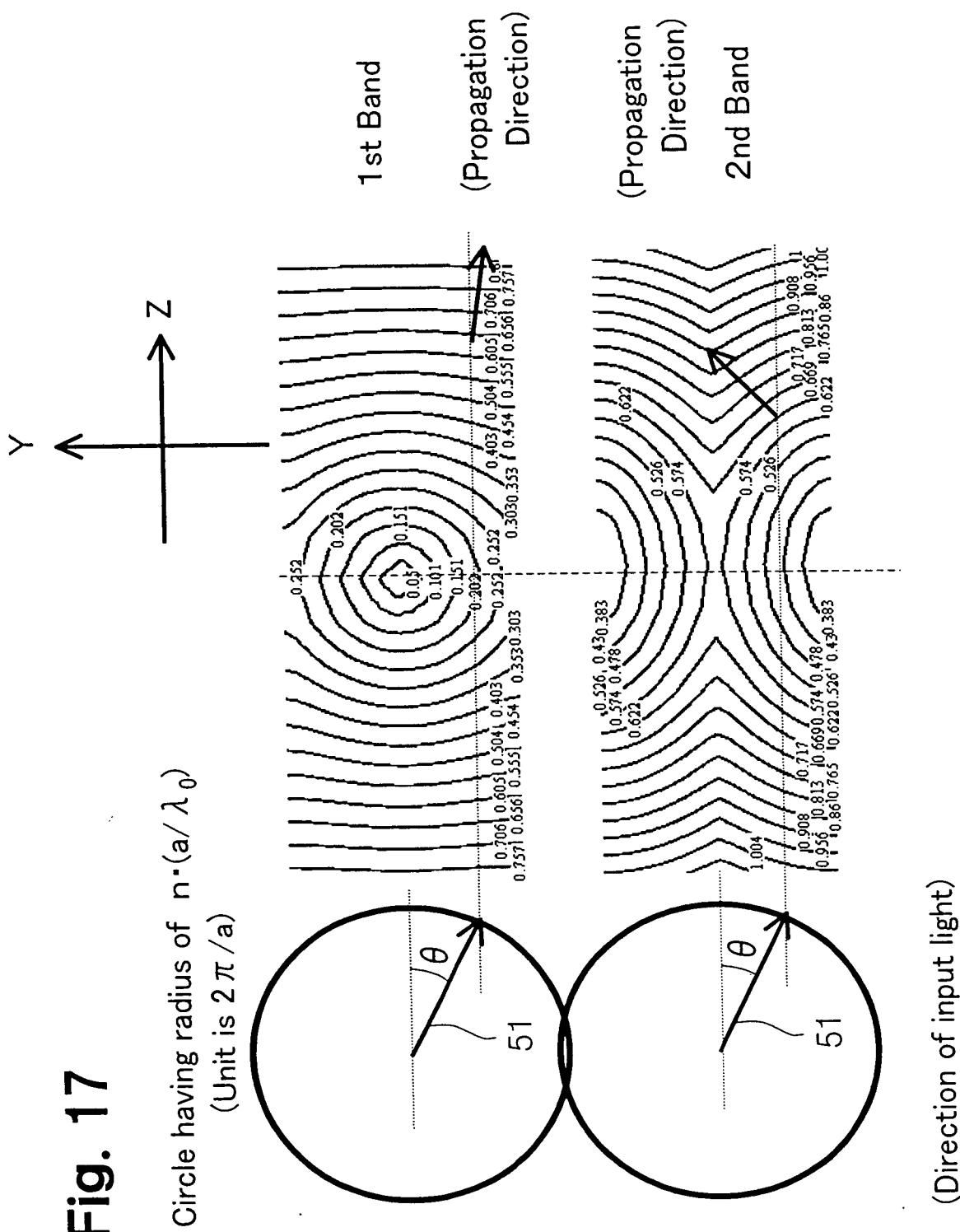
Fig. 15

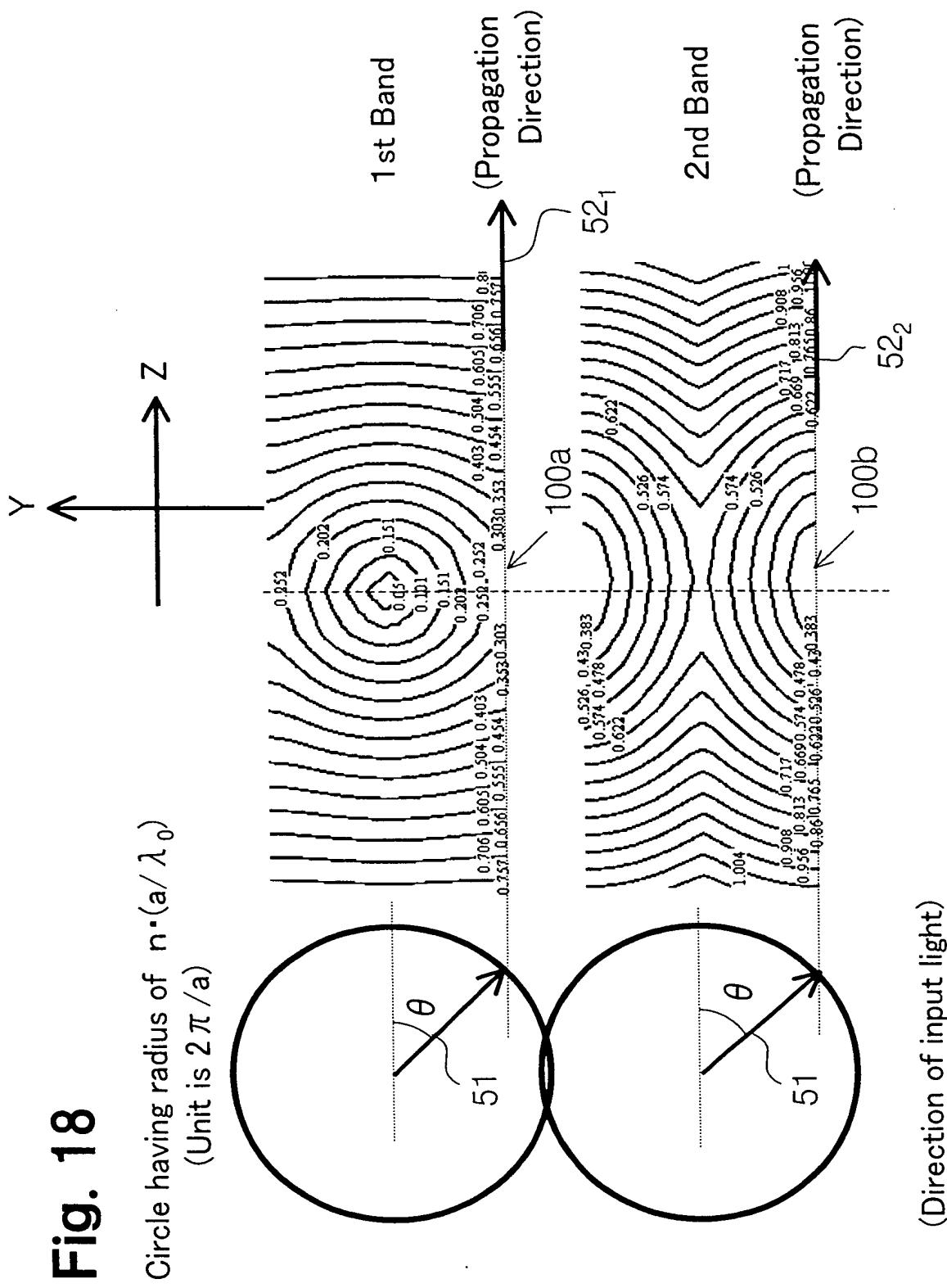


**Fig. 16**



**Fig. 17**





**Fig. 19**

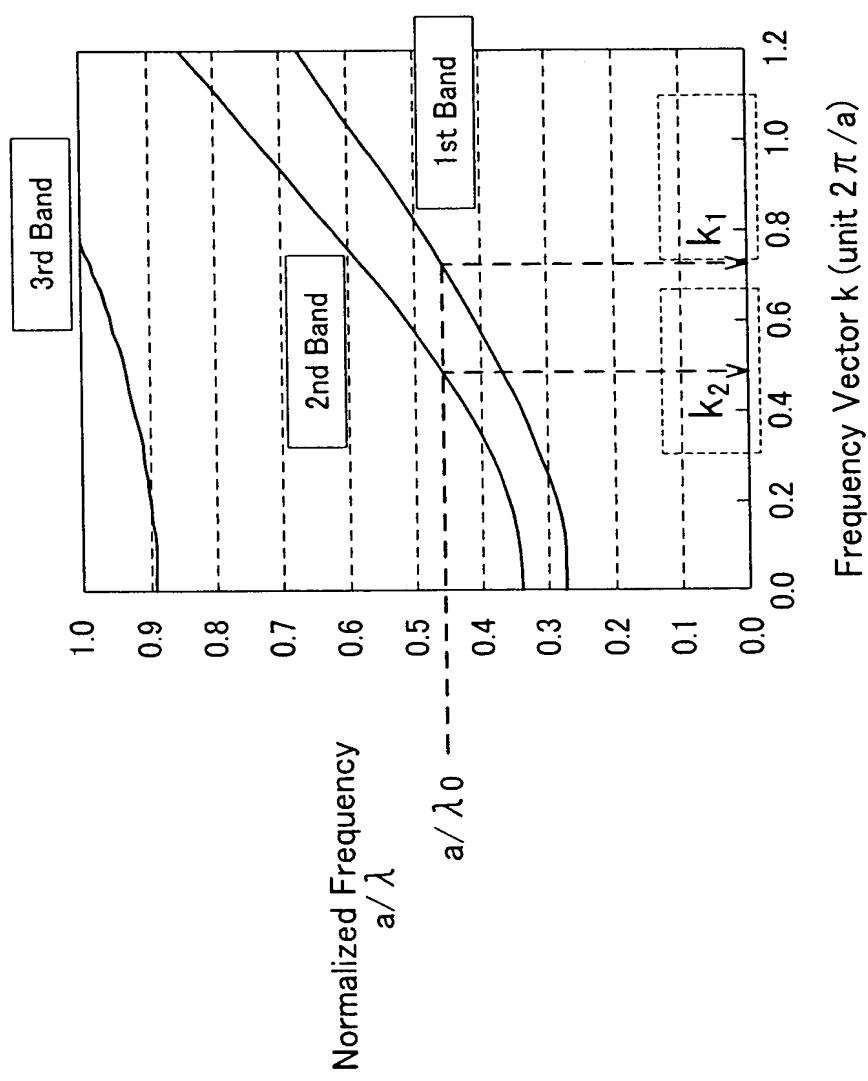


Fig.20

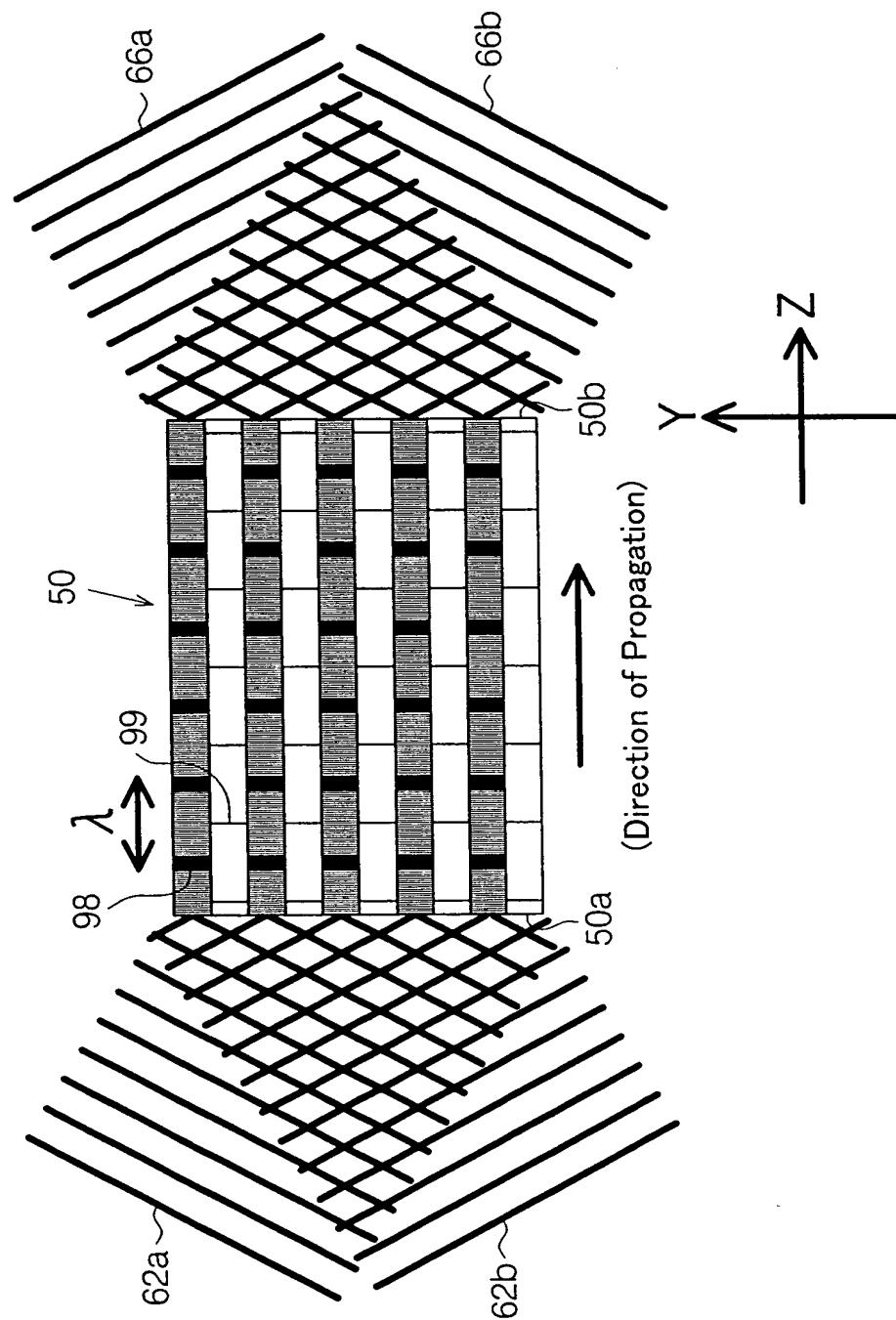
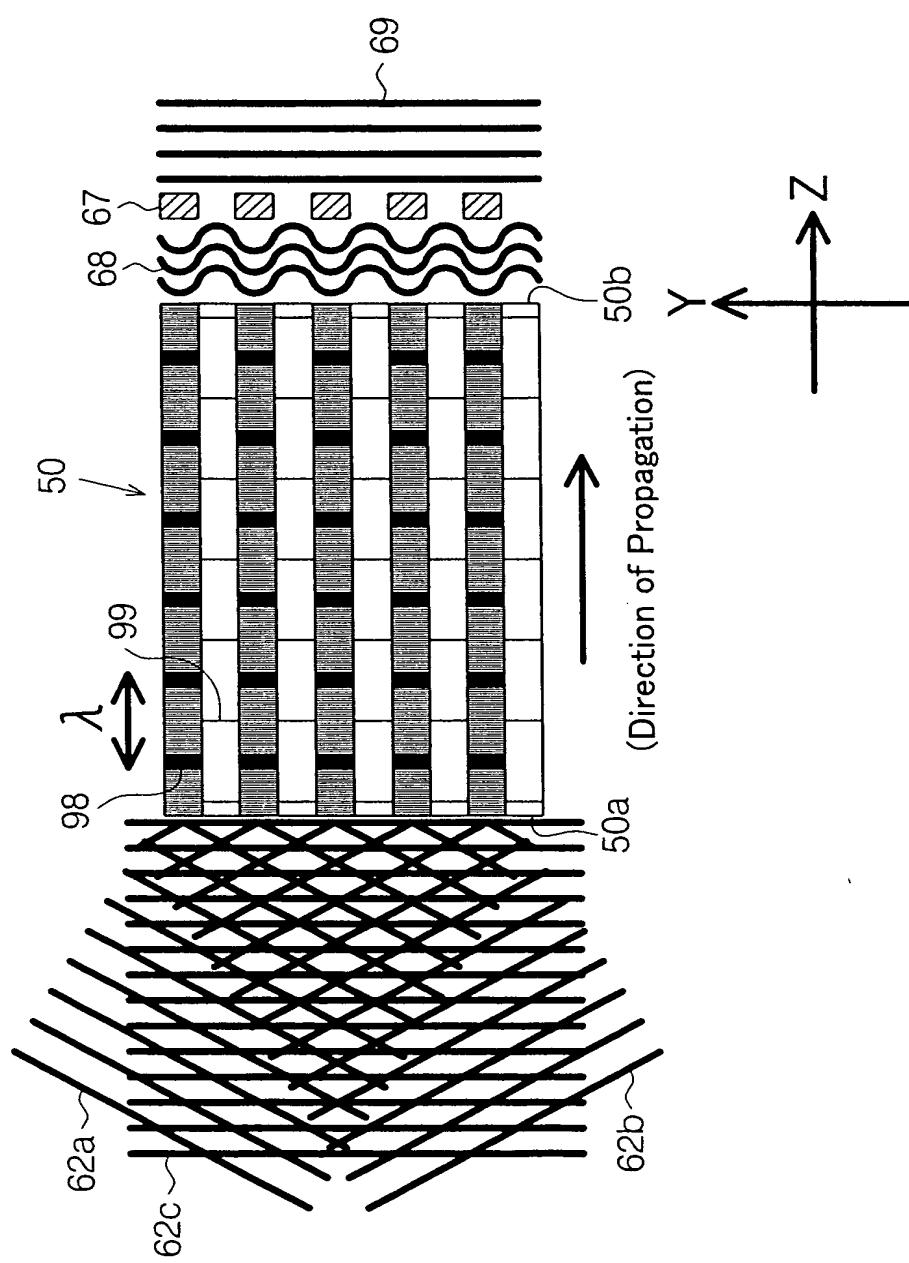


Fig.21



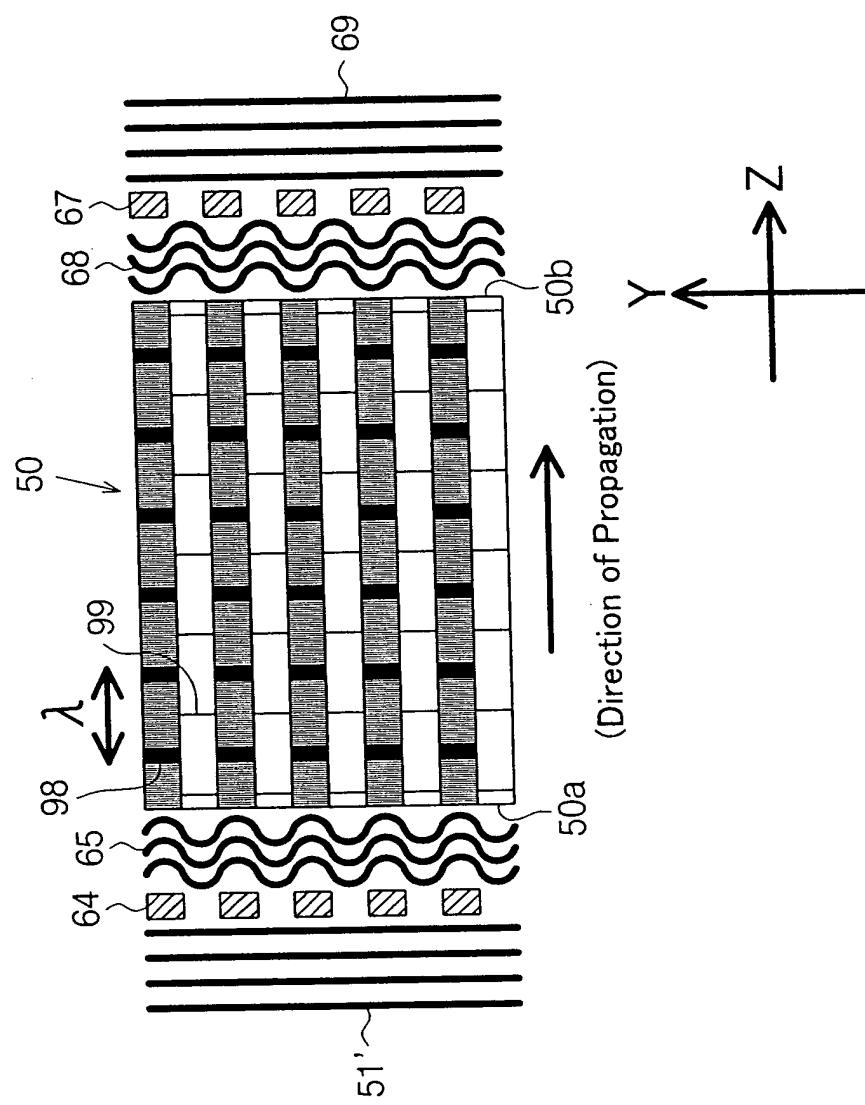
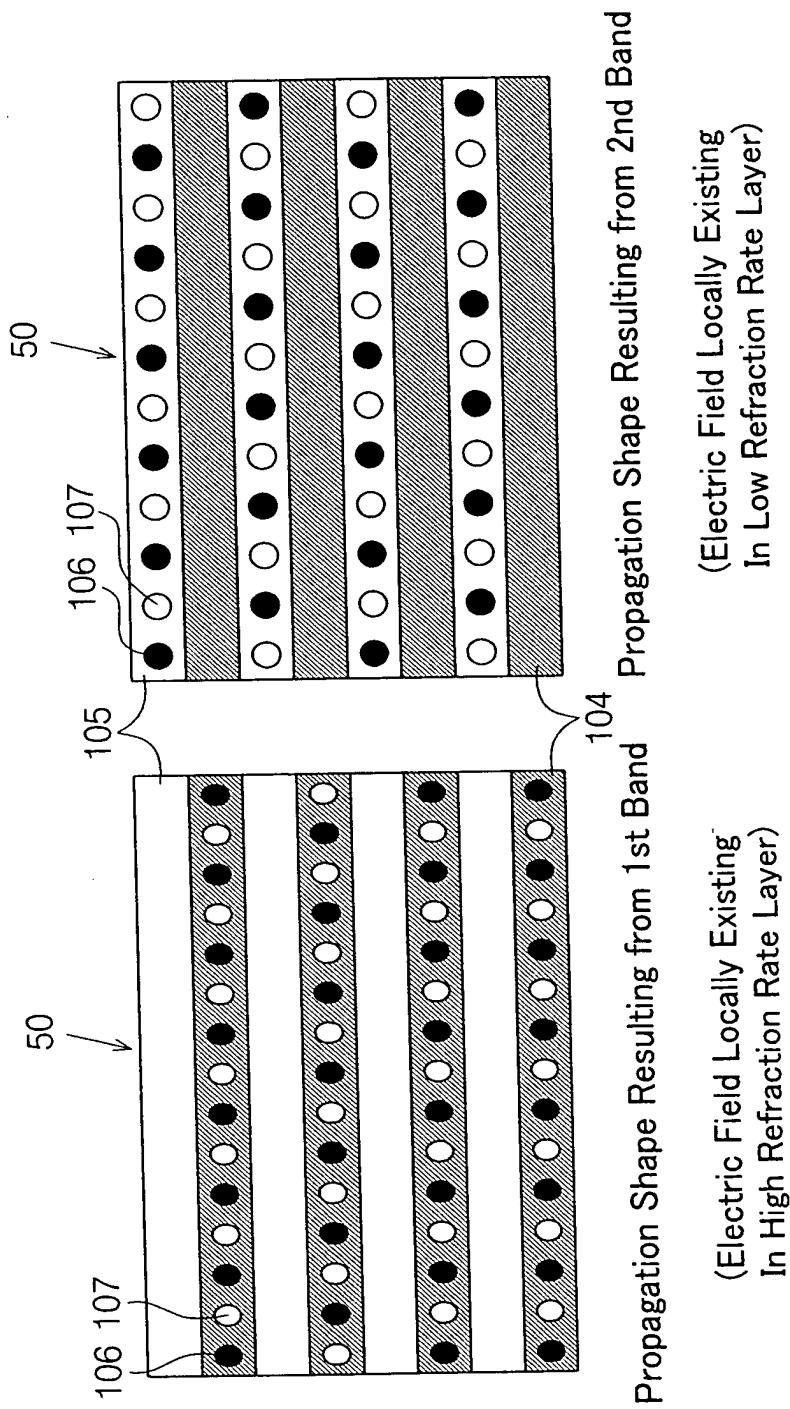
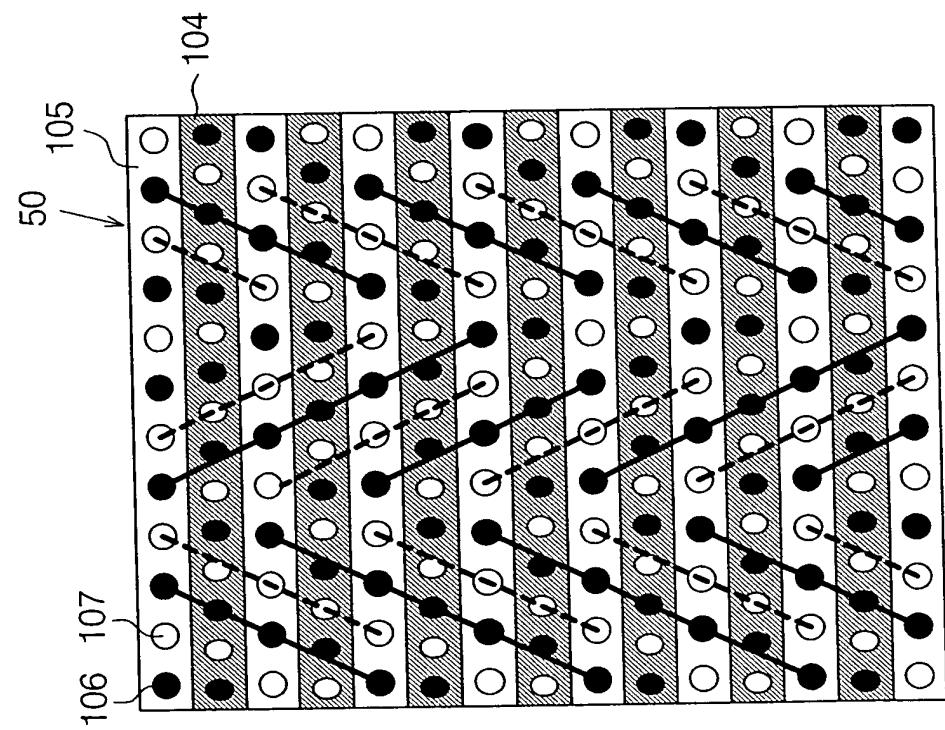


Fig.22

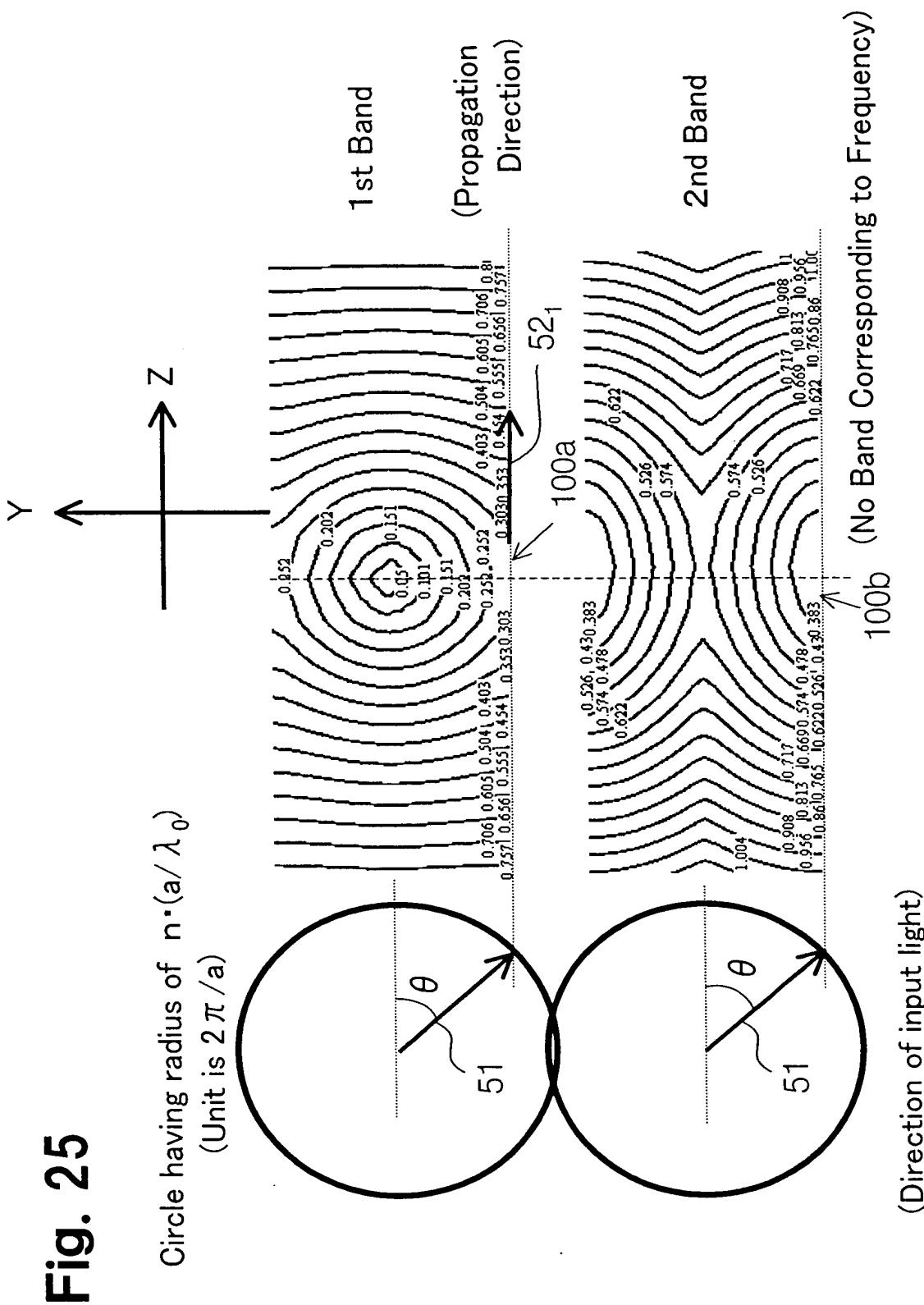
**Fig.23**





Propagation Shape Resulting from 1st and 2nd Bands

Fig.24



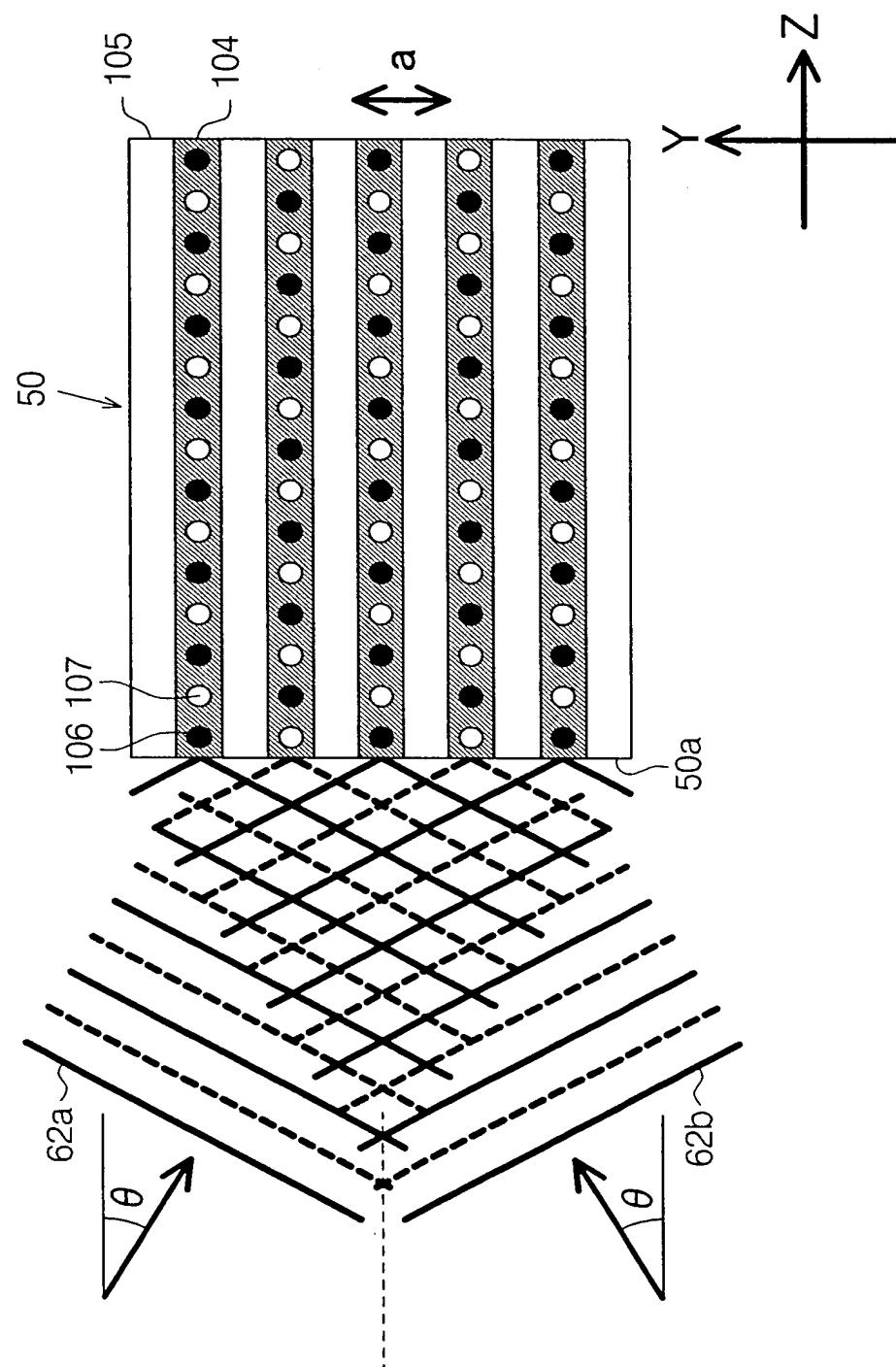


Fig. 26

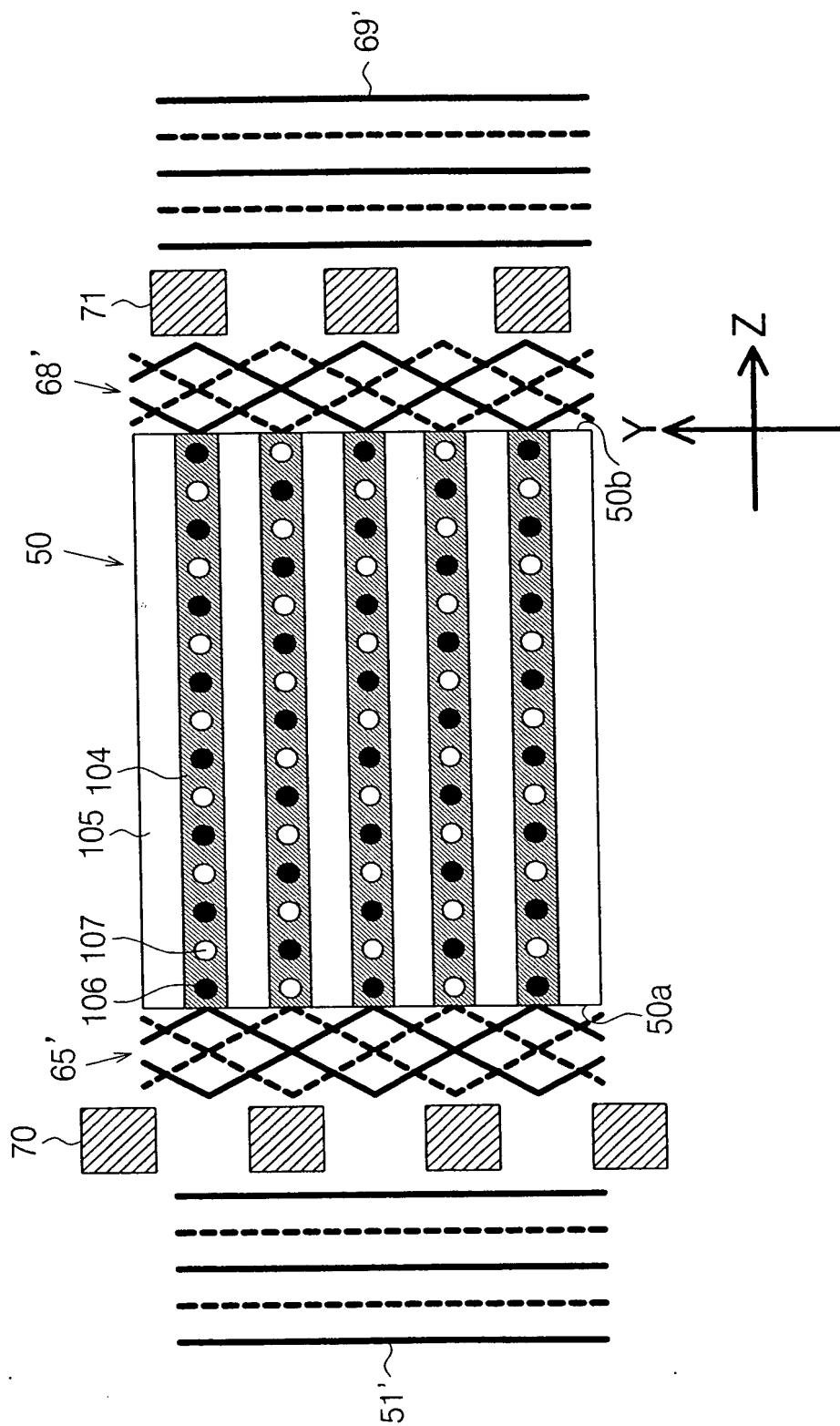
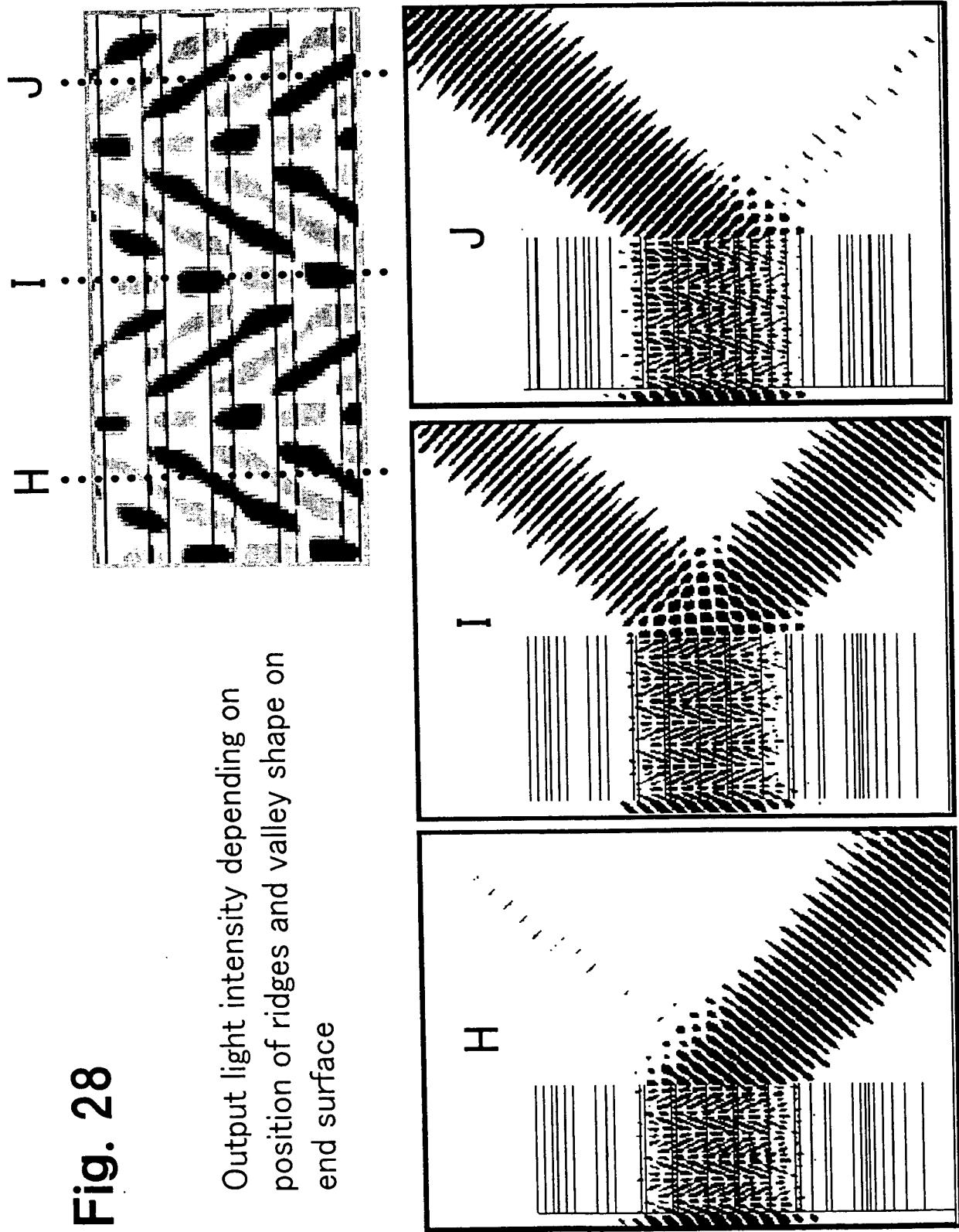
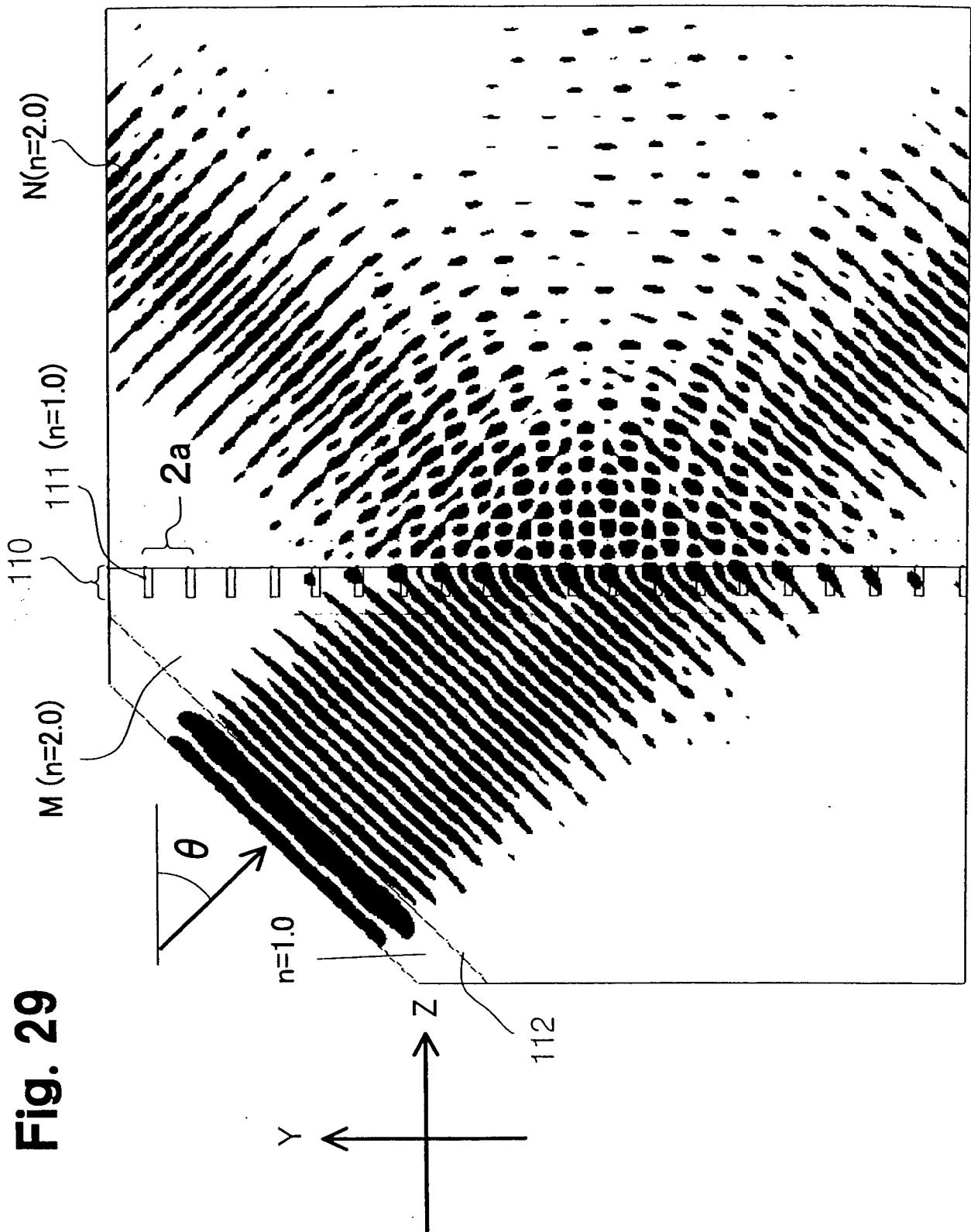


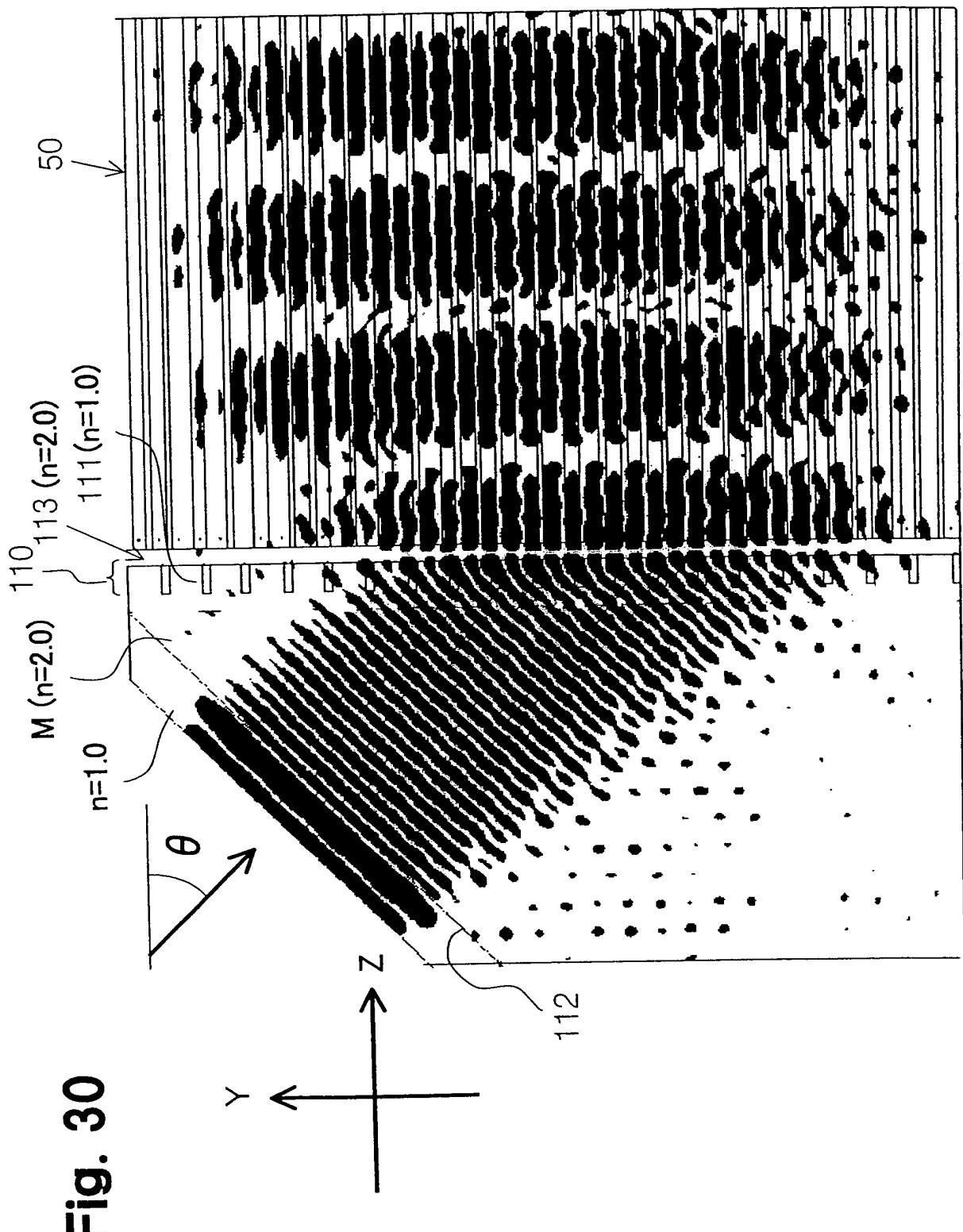
Fig.27

**Fig. 28**

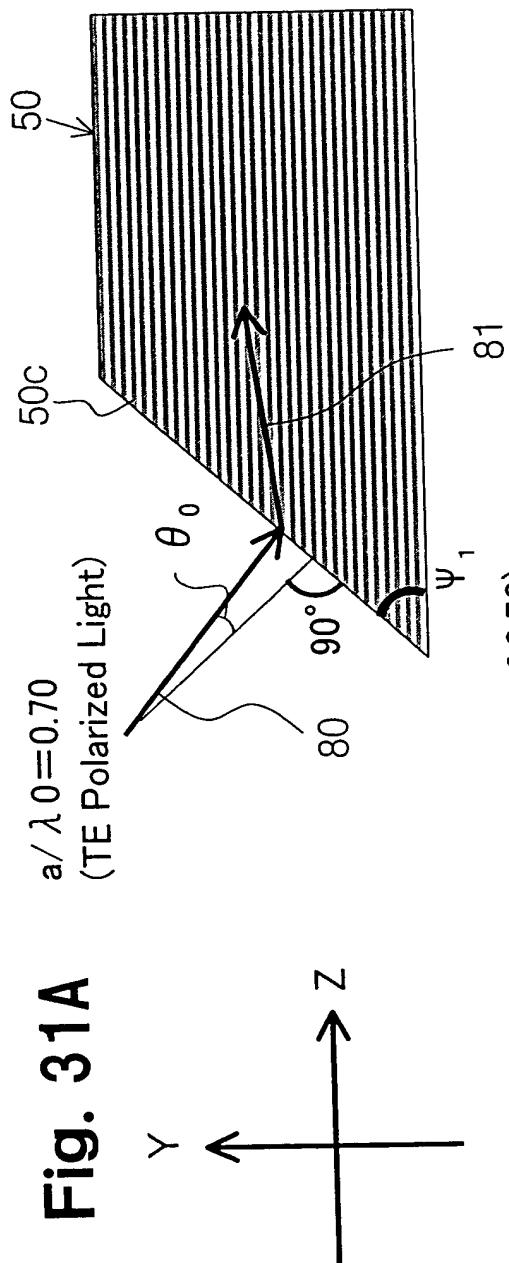
Output light intensity depending on  
position of ridges and valley shape on  
end surface







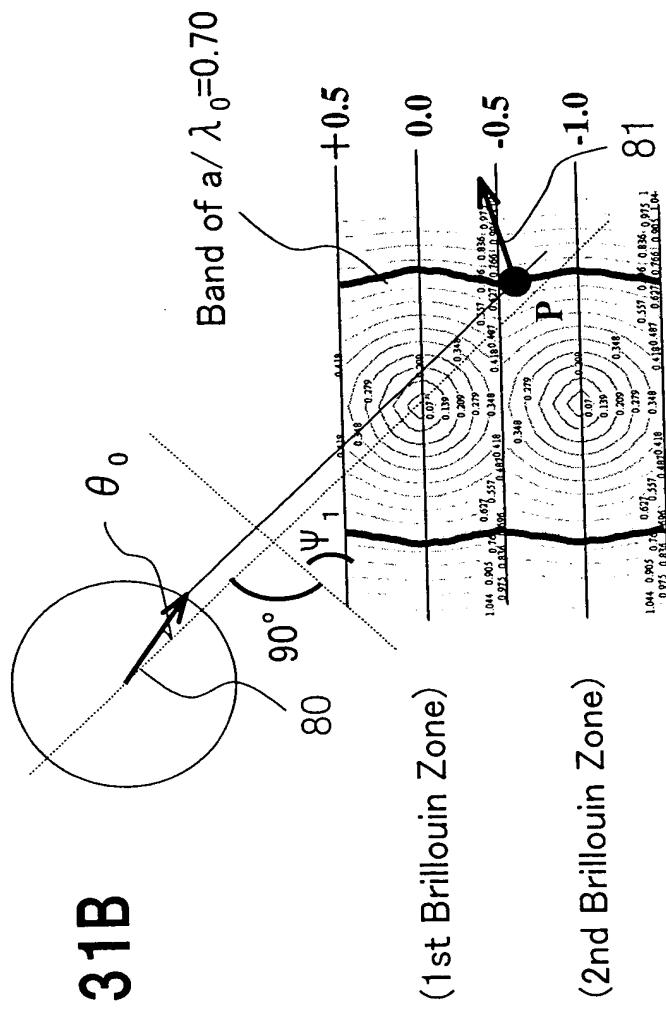
**Fig. 31A**



$a/\lambda_0 = 0.70$   
(TE Polarized Light)

(Circle having radius of 0.70)

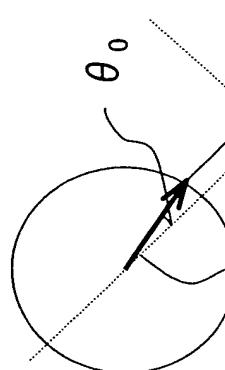
**Fig. 31B**



Band of  $a/\lambda_0 = 0.70$

(1st Brillouin Zone)

(2nd Brillouin Zone)



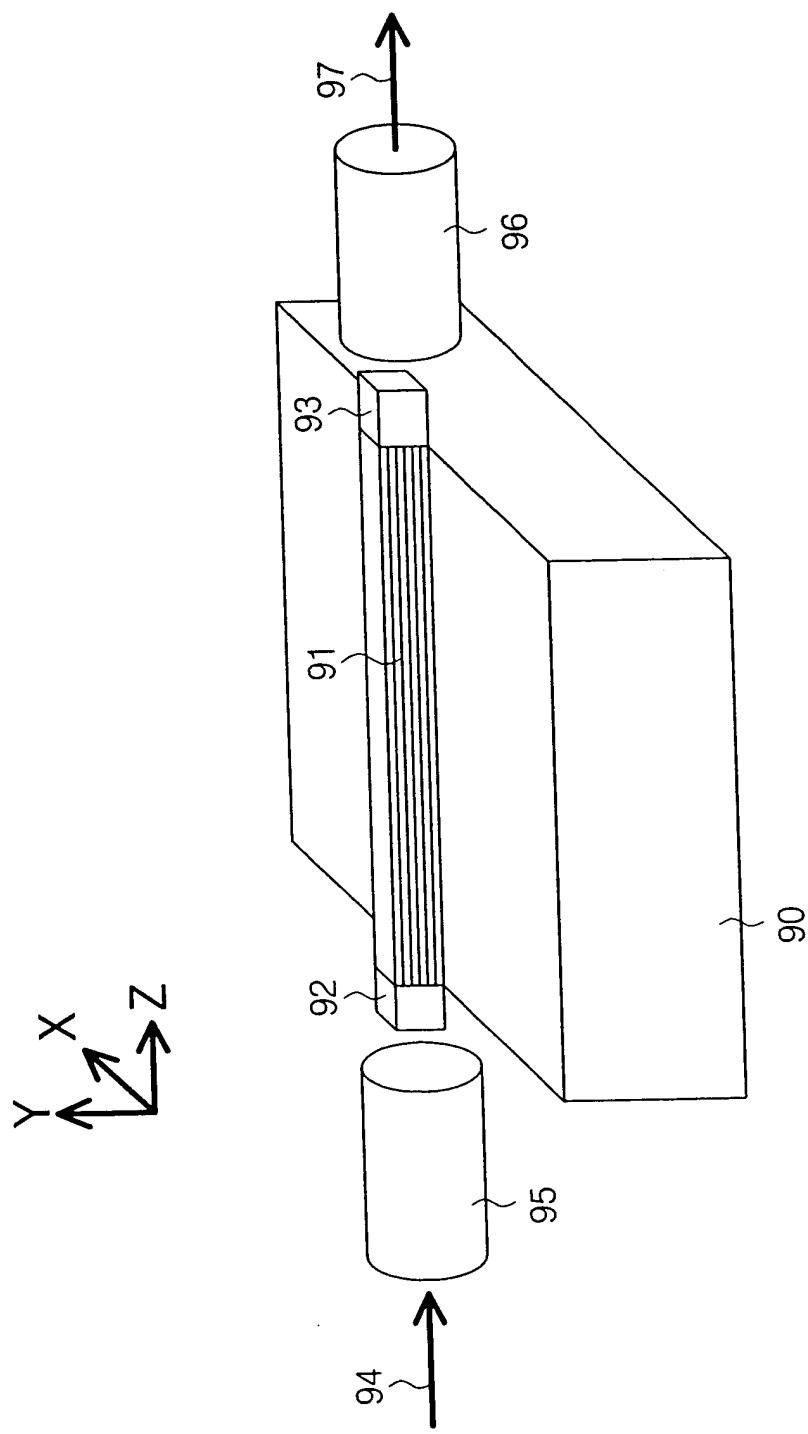


Fig. 32

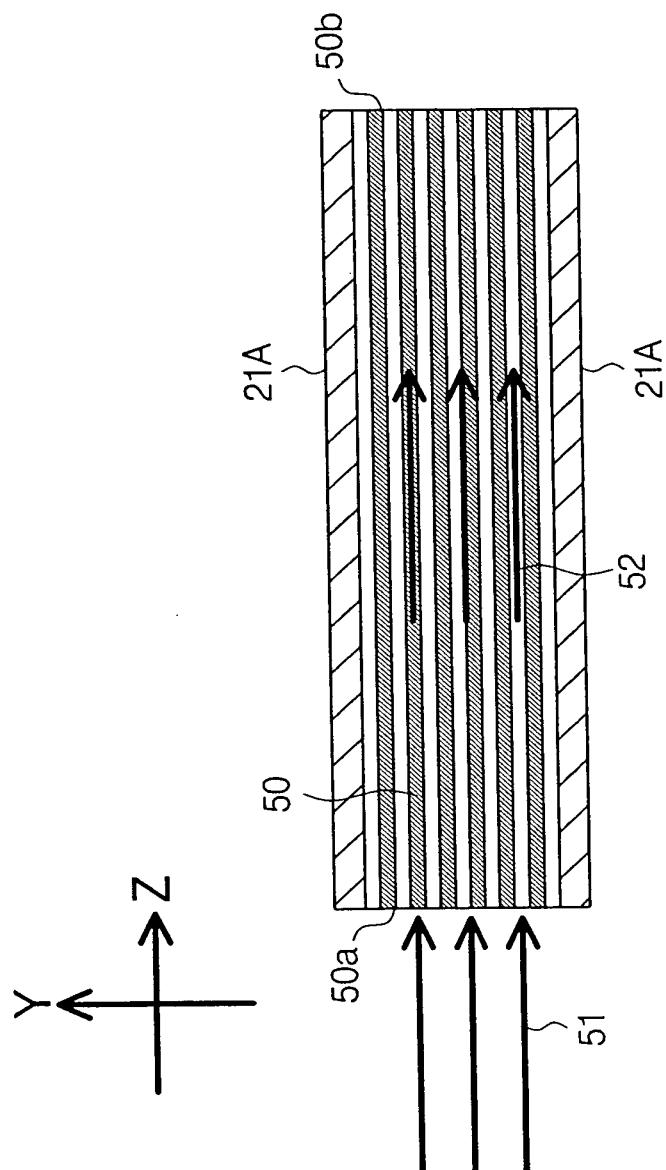
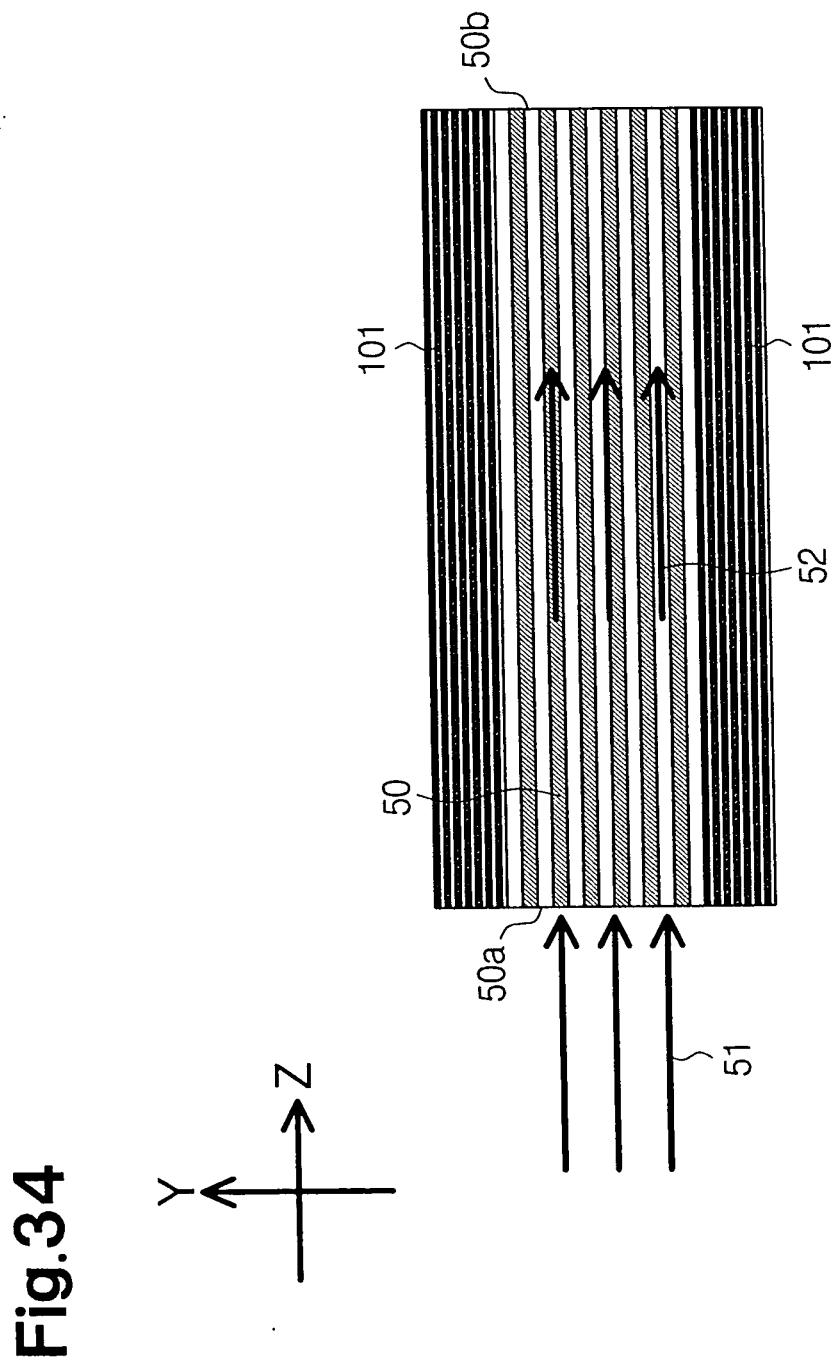
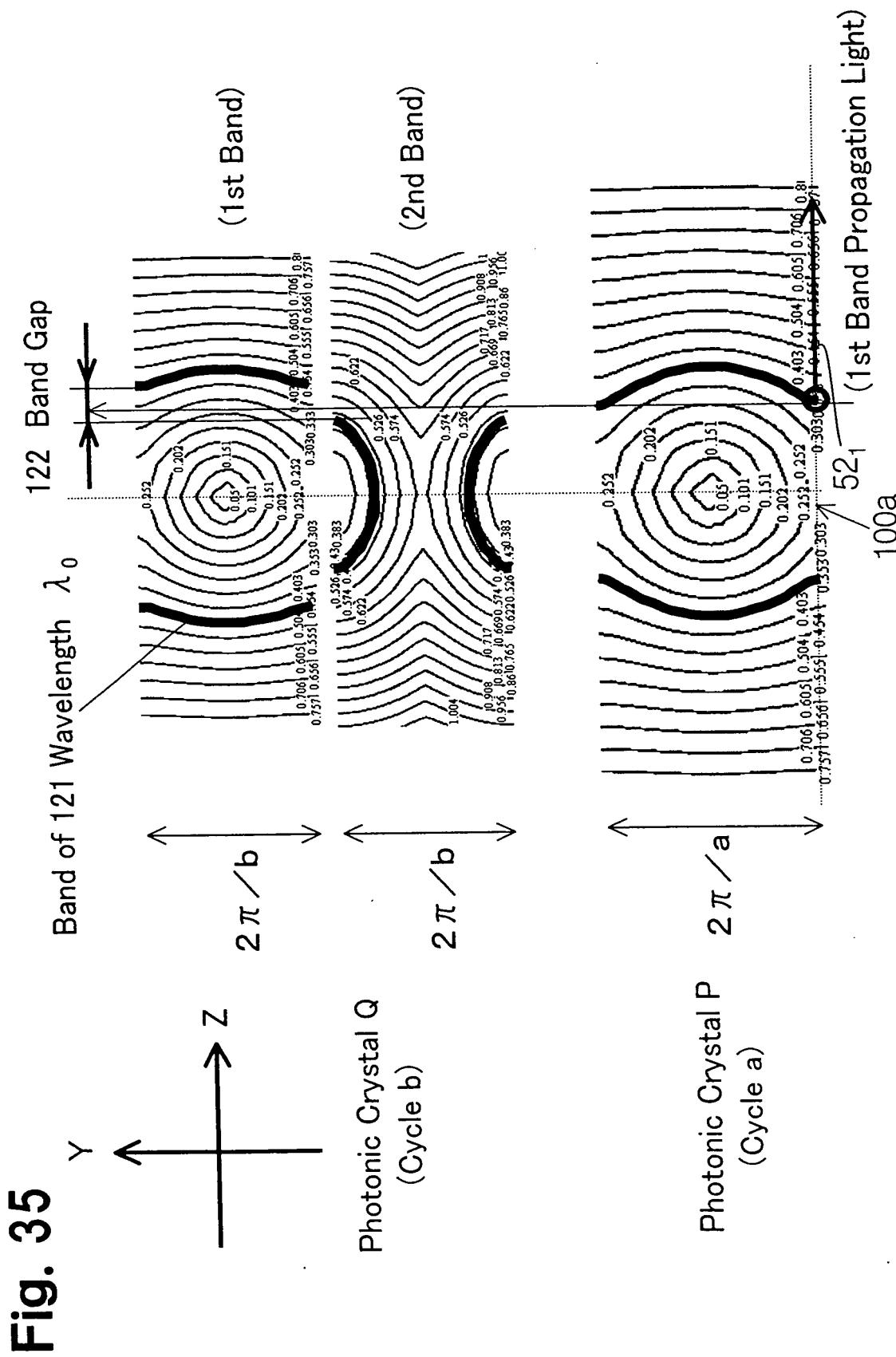
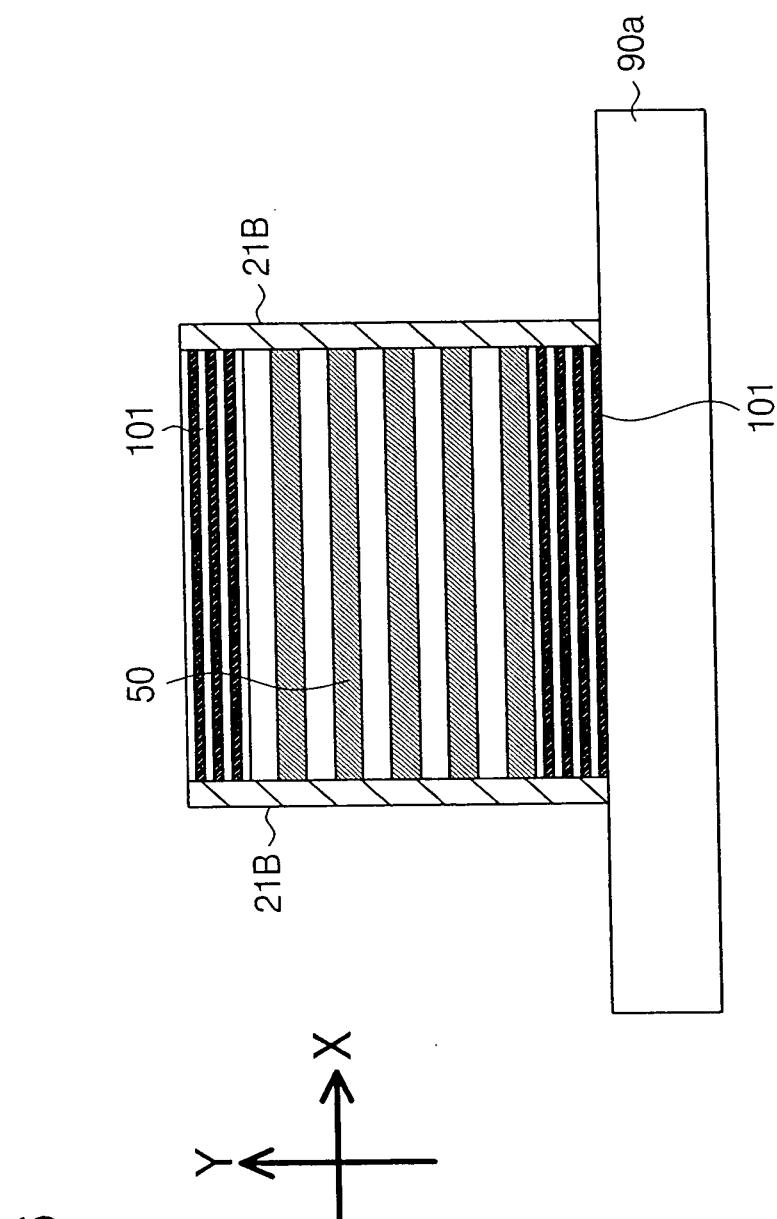


Fig.33



**Fig.34**





**Fig.36**

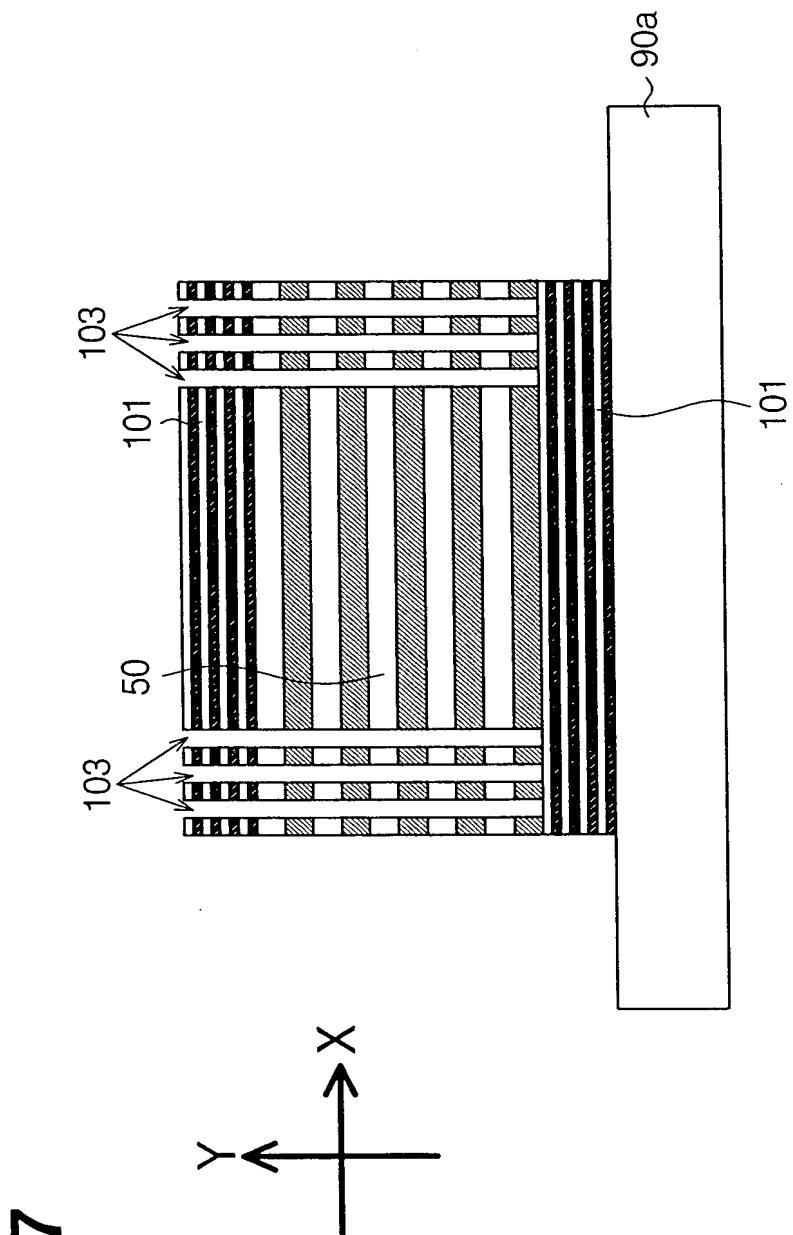
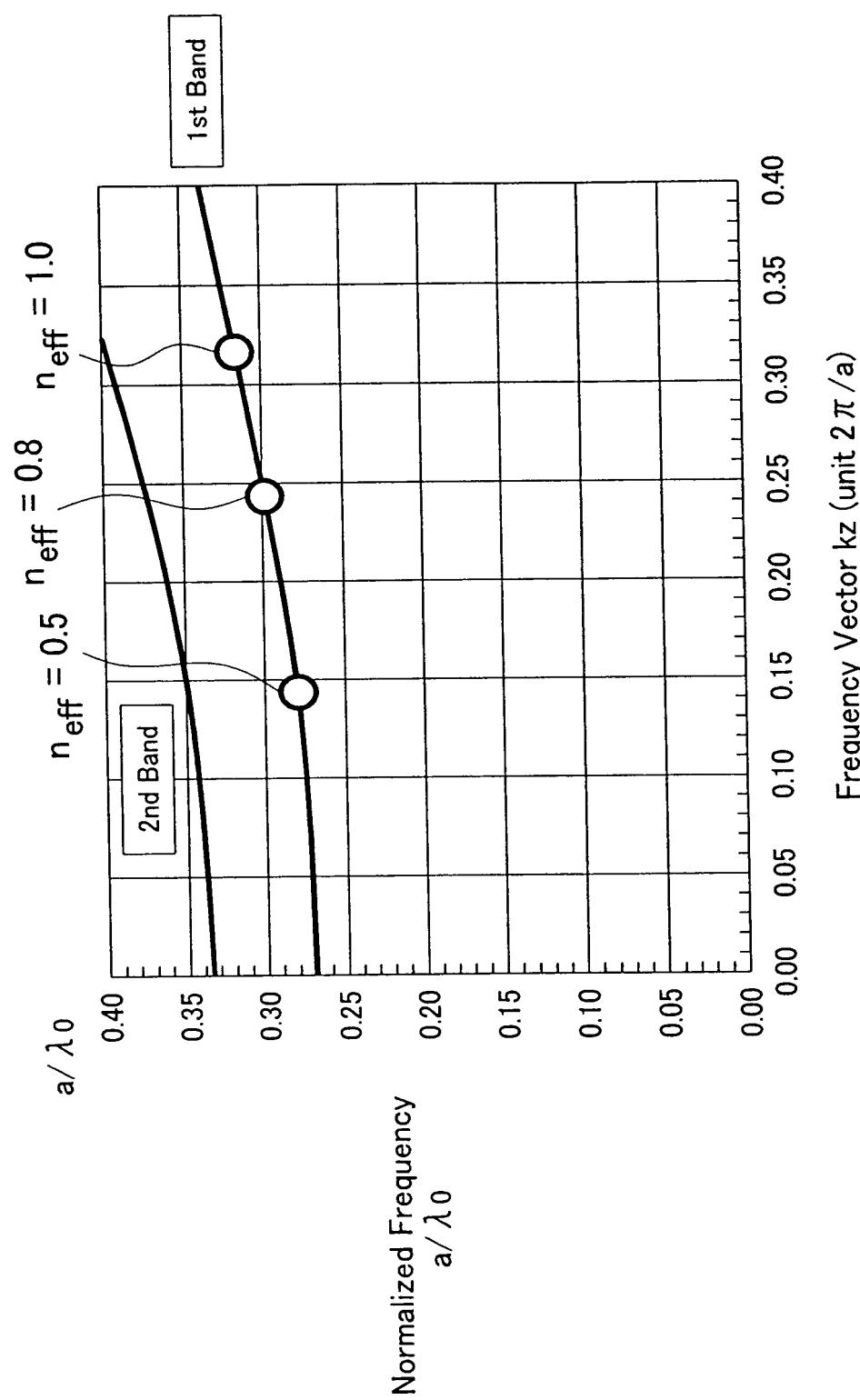


Fig.37

**Fig.38**



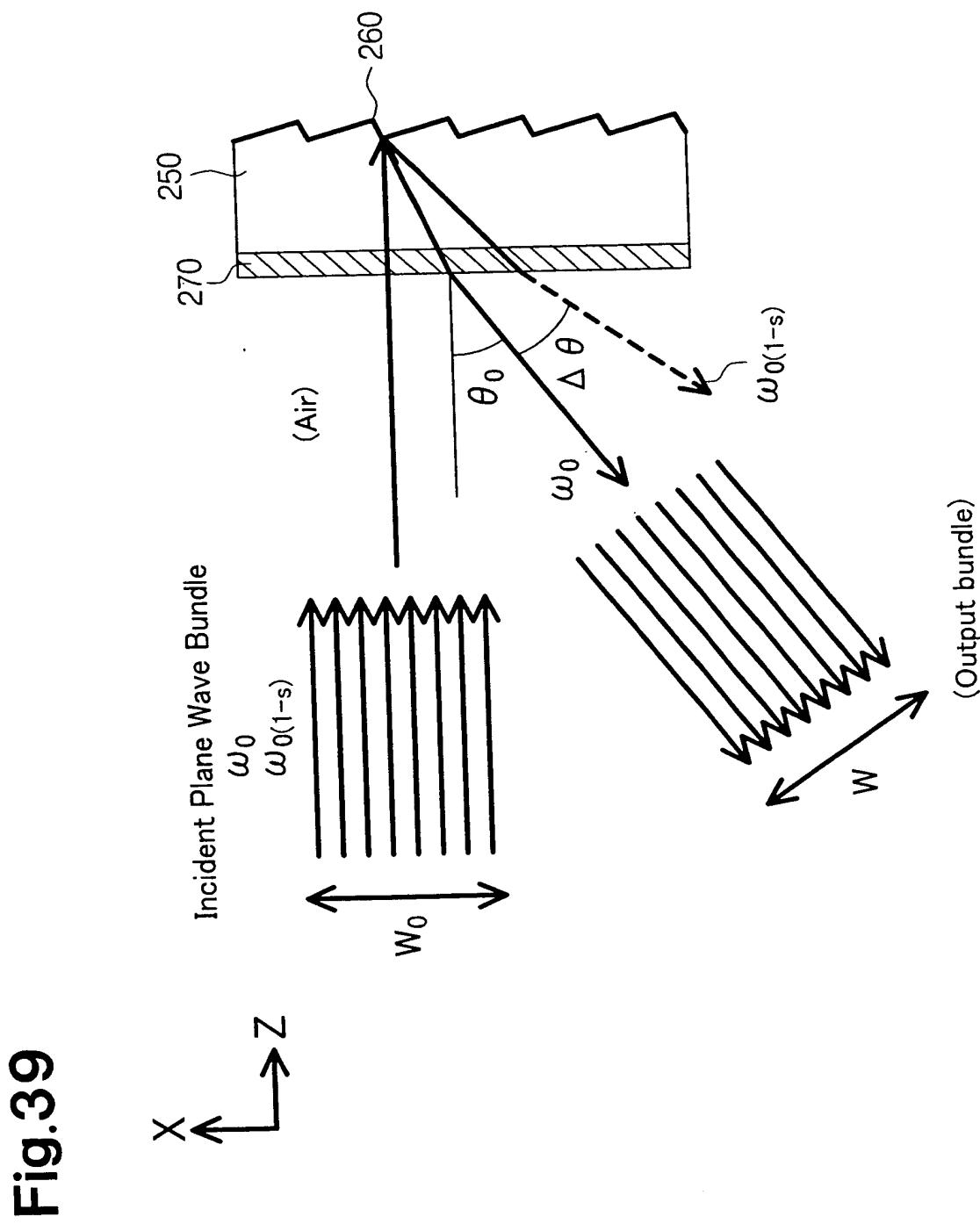
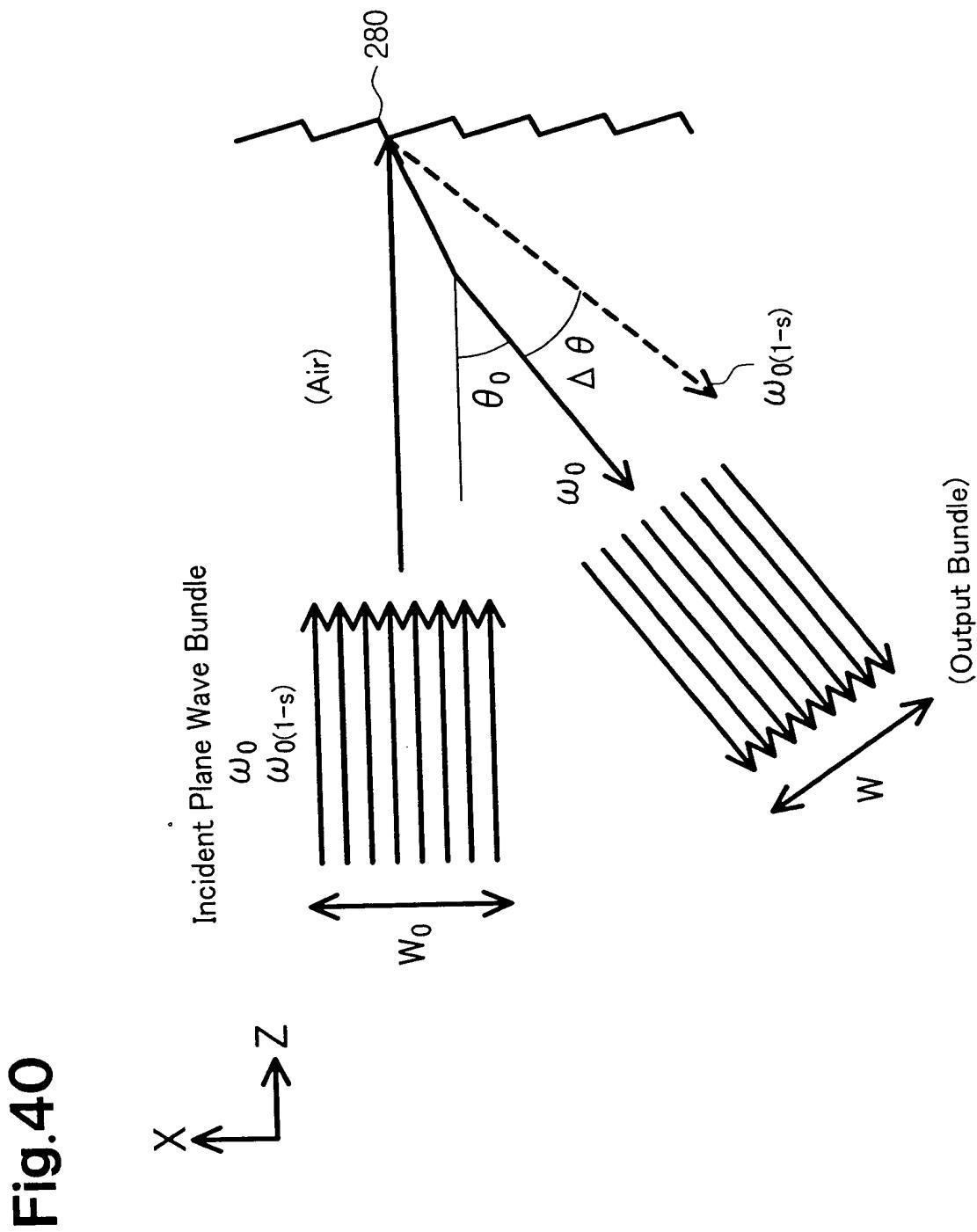
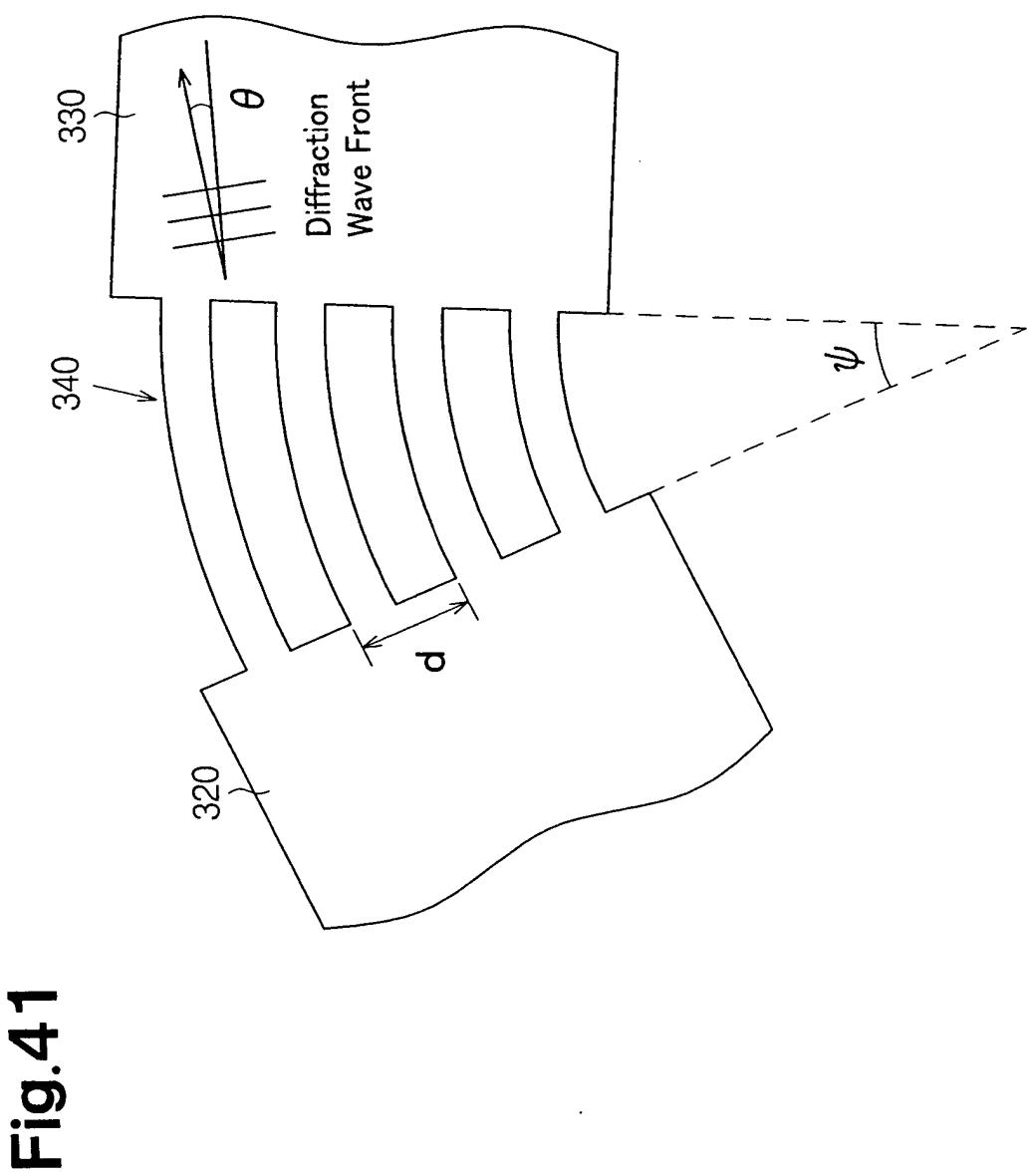


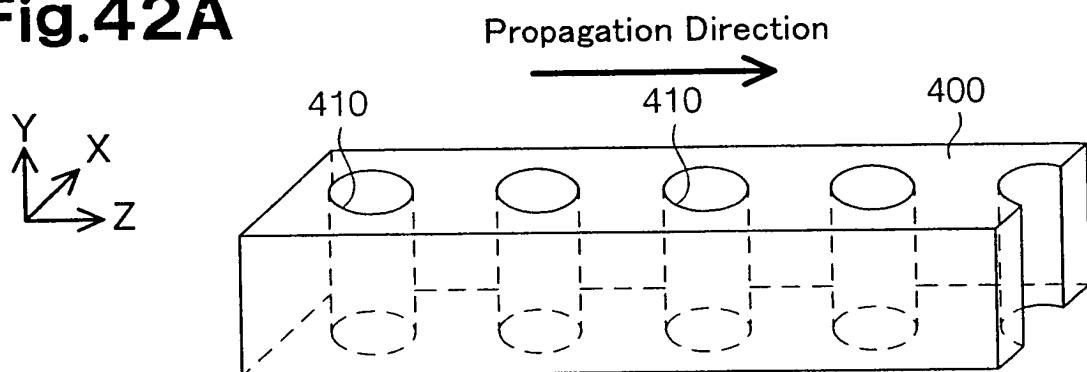
Fig.39



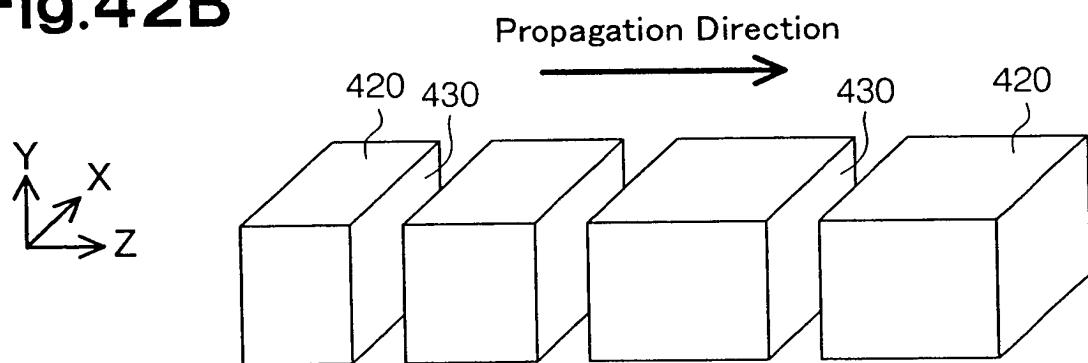
**Fig.40**



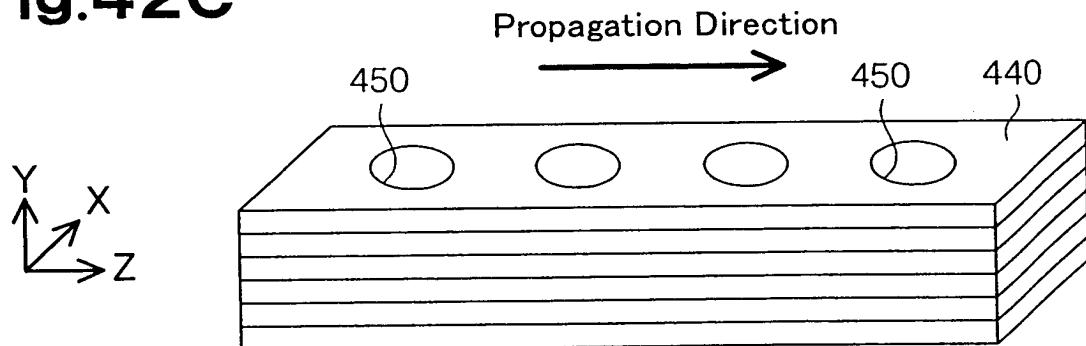
**Fig.42A**



**Fig.42B**



**Fig.42C**



**Fig.42D**

